KINDERMANN
presentation
installation
conferencing
09

KINDERMANN

The innovative expert in presentation and conference technology has an excellent reputation for high quality and user-friendly solutions.

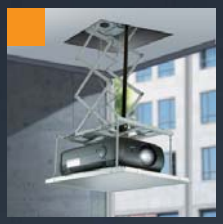
Its comprehensive sales programme, which is one of the biggest of its branch in Europe, consists of a wide range of products from the single projector to the complete equipment of conference rooms. A big percentage of all these products is developed and produced by KINDERMANN.

The sales programme is divided up into three sectors:

presentation
installation
conferencing

As a manufacturer and distributor KINDERMANN supports its dealers by providing them with competent technical advice and individual guidance for projects – including planning a system, supplying the technology, and caring for its integration. Attractive special services round up the portfolio.

The sector "presentation" stands for projectors and LCD monitors.



The sector "installation" comprises all system and installation components as well as digital signage.

In the sector "conferencing" KINDERMANN offers solutions to meet sophisticated demands in the fields of conference technology and modern media. This includes audio and video conferences.

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Subject to technical alterations, as well as to changes of the design and the colour

THE NEW GENERATION OF KINDERMANN DATA/VIDEO PROJECTORS –
THE RIGHT PROJECTOR IN THE RIGHT PLACE

KINDERMANN KX 5000 / 5000 NL without lens

The reliable projector for permanent installation

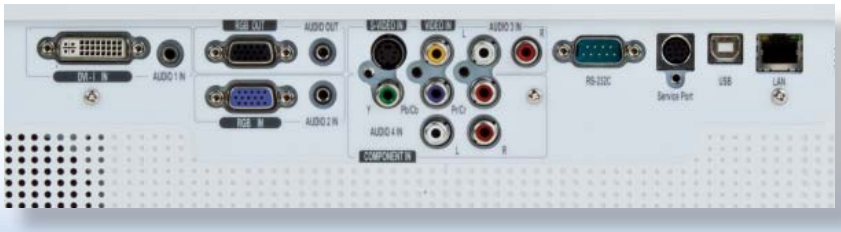
- High connectivity: 5 video in, 4 audio in, 1 audio out (synchronized with the image)
- Highly efficient filter system (optional against dust and smoke)
- Side access for lamp and filter change
- Low fan noise (29 dBA in eco mode)
- Quick power on/off
- Antitheft device through password protection and safety rod
- LAN for system check and network control
- KX 5000 NL with optional interchangeable lenses (see chart below)

Ill. KX 5000

KINDERMANN	KX 5000	KX 5000 NL
Ref. No.	**8757000010**	**8757000020**
Display type	LCD	LCD
Resolution	XGA	XGA
ANSI lumens	4500	4500
Weight	8.2 kg	7.2 kg

Easy change of lamp and air filter, even if unit is mounted on the ceiling

High connectivity



Interchangeable lenses for KX 5000 NL

Model	Focal length	Projection distance	Image size diagonal	Ref. No.
ELS01	f= 28.8 - 36.6 mm	0.78 - 3.41 m	1.27 - 5.08 m	**8533000000**
ELS02	f= 36.5 - 45.8 mm	1.05 - 8.31 m	1.02 - 7.62 m	**8533000001**
ELS03	f= 51.0 - 64.3 mm	5.58 - 21.41 m	2.03 - 7.62 m	**8533000002**

Subject to technical alterations, as well as to changes of the design and the colour

THE NEW KINDERMANN KX 3200 SERIES –
FOR VIRTUOSO PRESENTATIONS IN ALL POSITIONS...

KINDERMANN KX 3200 series

The new powerful 3LCD business projectors

- Quick power on/off (in only 10 seconds)
- Low fan noise – 29 dB in eco mode
- High connectivity: DVI-I, LAN (3250 W, 3300), RS 232 etc.
- Integrated 8 W loudspeaker
- **Handy IR remote control**
  with mouse (except model 'active') and laser pointer
- **Safety**
  Kensington lock, anti-theft device,
  PIN code query (can be switched off)
- **Many automatic functions**
  source selection, synchronization,
  ceiling projection,
  vertical Keystone correction
- **Maintenance-friendly**
  Easy change of lamp and filter (sidewards),
  even if mounted on the ceiling

KINDERMANN KX	3200	3200 wide	3250 W	3300
Ref. No.	8496000000	8475000000	8497000000	8498000000
Display type	LCD	LCD	LCD	LCD
Resolution	XGA	XGA	WXGA	XGA
ANSI lumens	2600	3000	2600	3500
Weight	3.3 kg	3.6 kg	3.3 kg	3.3 kg

Ill. KX 3300 with LAN (LAN only in KX 3250 W and KX 3300)

Subject to technical alterations, as well as to changes of the design and the colour

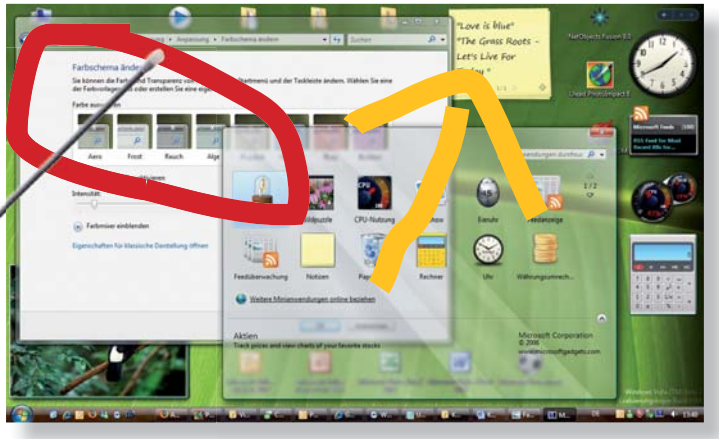
KINDERMANN KX 3200 active

The multi-talent for interactive presentation without special whiteboard

- Whiteboard function due to integrated camera, which communicates with the two IR pointers
- Control software on CD ROM, ready in no time, no installation necessary
- **Good for nearly any projection surface**
  Operation control in real time, processing, changing, printing and mailing of data, etc.
- For stationary and mobile use, interactive function for images sized 1.5 – 3 m

The advantages:

- With the help of the IR pointer or pen you can control all functions of your software directly, on any projection surface.
- How to operate the interactive unit can be learnt in a few minutes.
- Contents can be marked, altered or stored with the IR pointer or pen.



(Ill. smaller)

KINDERMANN	KX 3200 active
Ref. No.	**8499000000**
Display type	LCD
Resolution	XGA
ANSI lumens	2600
Weight	3.4 kg

System requirements	Windows	MAC
System software	MS Windows®, 2000 (SP4), XP (SP 2) or higher, VISTA 32, 64	MAC OS X V10.4, 10.5
Processor	similar to Intel Pentium IV or higher	Intel or POWER PC
Memory (RAM)	min. 256 MB	min. 512 MB
Hard disc storage	min. 30 MB	min 10 MB
Min. computer requirements	CD-ROM drive, 1 x USB 2.0 port	CD-ROM, 1 x USB 2.0
Image size diagonal (interactive function)	1.5 – 3 m	1.5 – 3 m
Supplied with	IR telescope pointer and pointer with pen, software for interactive presentation	

KINDERMANN KXD 60

The perfect light weight travel companion

- Contrast 2000:1
- 5-segment colour wheel RGBYW for optimized colours
- Mobile, 1.3 kg only
- Optical zoom and vertical Keystone correction
- Inexpensive spare lamps

(Pocket PC not supplied)

KINDERMANN	KXD 60
Ref. No.	**8792000000**
Display type	DLP
Resolution	XGA
ANSI lumens	2000
Weight	1.3 kg

KINDERMANN KXD 185 / KSD 180

The ideal projector for schools, and for conference and lecture rooms

- High connectivity (KXD 185)
- 5-segment colour wheel RGBYW for optimized colours
- Low fan noise
- Excellent value
- Inexpensive spare lamps

Ill. KXD 185 / KSD 180 similar look

KINDERMANN	KXD 185	KSD 180
Ref. No.	**8583000000**	**8582000000**
Display type	DLP	DLP
Resolution	XGA	SVGA
ANSI lumens	2500	2500
Weight	2.7 kg	2.7 kg

KSD 180

KXD 185

Subject to technical alterations, as well as to changes of the design and the colour

Technical data

MODEL	KINDERMANN KXD 60	KINDERMANN KXD 185 / KSD 180*	KINDERMANN KX 3200 / KX 3300	KINDERMANN KX 3200 wide	KINDERMANN KX 3250 W	KINDERMANN KX 3200 active	KINDERMANN KX 5000 / 5000 NL*
Ref. No.	**8792000000**	**8583000000 / 8582000000**	**8496000000 / 8498000000**	**8475000000**	**8497000000**	**8499000000**	**8757000010 / 8757000020**
Resolution (pixels)	1024 x 768	1024 x 768 / 800 x 600	1024 x 768	1024 x 768	1280 x 800 (16:10)	1024 x 768	1024 x 768
ANSI lumens	2000 (1600 eco)	2500 (2000 eco)	2600 (2100 eco) / 3500 (2800 eco)	3000 (2400 eco)	2600 (2100 eco)	2600 (2100 eco)	4500 (4000 eco)
Display type	1 x 0.55" DLP, RGBYW	1 x 0.55" DLP, RGBYW	3 x 0.63" LCD	3 x 0.63" LCD	3 x 0.59" LCD	3 x 0.63" LCD	3 x 0.79" LCD
Contrast ratio	2000:1	2000:1	500:1	500:1	500:1	500:1	500:1
Supported resolutions	VGA, SVGA, XGA, SXGA	VGA, SVGA, XGA, SXGA	VGA, SVGA, XGA, SXGA, SXGA+, UXGA	VGA, SVGA, XGA, SXGA, SXGA+, UXGA	VGA, SVGA, XGA, SXGA, SXGA+, WXGA, WXGA+, WSXGA+, UXGA	VGA, SVGA, XGA, SXGA, SXGA+, UXGA	VGA, SVGA, XGA, SXGA, SXGA+, UXGA
Frequency: H-/V-sync	15-100 kHz, 43-120 Hz	15-100 kHz, 43-120 Hz	31-92 kHz, 48-120 Hz	31-92 kHz, 48-120 Hz	31-92 kHz, 48-120 Hz	31-92 kHz, 48-120 Hz	15-107 kHz, 50-120 Hz
Lens	22 - 25.5 mm	19.9 - 23.88 mm / 21.9 - 24.2 mm	18.5 - 22.2 mm	18.5 - 22.2 mm	18.5 - 22.2 mm	18.5 - 22.2 mm	24.0 - 28.8 mm / *lens not included
Image size diagonal	0.89 - 7.6 m	0.85 - 7.6 m / 0.7 - 6.3 m	1.02 - 7.68 m	0.5 - 7.68 m	1.02 - 7.68 m	1.02 - 7.68 m	1 - 7.62 m / *depending on lens
Projection distance	1.6 - 12 m	1.2 - 10.8 m / 1 - 10 m	1.0 - 10.6 m	0.5-7.4 m	1.0 - 11.25 m	1.0 - 10.6 m	1.17 - 9 m / *depending on lens
Ratio (distance : image width)	1.94 - 2.27:1	1.77 - 2.13:1 / 1.96 - 2.16:1	1.47 - 1.78:1	1.0 - 1.2:1, (without wide angle lens:1.47-1.78:1)	1.47 - 1.78:1	1.47 - 1.78:1	1.47 - 1.78:1 / *depending on lens
Interchangeable lens	–	–	–	–	–	–	– / * yes (3x)
Projection lamp	180 W UHP	200 W / 180 W UHP	200 W UHP / 230 W UHP	220 W UHP	220 W UHP	200 W UHP	275 W NSH
Voltage	100-240 V AC, 50-60 Hz	100-240 V AC, 50-60 Hz	100-240 V AC, 50-60 Hz	100-240 V AC, 50-60 Hz	100-240 V AC, 50-60 Hz	100-240 V AC, 50-60 Hz	100-240 V AC, 50-60 Hz
Noise level normal (ECO mode)	36 dB (33 dB)	31 dB (29 dB)	31 dB / 32 dB (28 dB) / (29 dB)	31 dB (28 dB)	31 dB (28 dB)	31 dB (28 dB)	32 dB (29 dB)
Dimensions in mm	210 x 70 x 165	271 x 95 x 223 (*218)	325 x 97 x 260	325 x 97 x 260	325 x 97 x 260	325 x 97 x 260	480 x 152 x 360
Weight	1.3 kg	2.7 kg	3.3 kg	3.6 kg	3.3 kg	3.4 kg	8.2 kg / 7.2 kg
INPUTS / OUTPUTS							
Computer (VGA)	1 x HD 15	2 x HD 15 / 1 x HD 15	1 x HD 15	1 x HD 15	1 x HD 15	1 x HD 15	1 x HD 15
Digital	–	–	1 x DVI-I	1 x DVI-I	1 x DVI-I	1 x DVI-I	1 x DVI-I
Video	1 x Cinch	1 x Cinch	1 x Cinch	1 x Cinch	1 x Cinch	1 x Cinch	1 x Cinch
S-video	1 x Mini DIN 4 Pin	1 x Mini DIN 4 Pin	1 x Mini DIN 4 Pin	1 x Mini DIN 4 Pin	1 x Mini DIN 4 Pin	1 x Mini DIN 4 Pin	1 x Mini DIN 4 Pin
Component video	via VGA jack	via VGA jack	3 x Cinch	3 x Cinch	3 x Cinch	3 x Cinch	1 x Cinch x 3
Serial interface	–	1 x Mini DIN 6 Pin/ –	1 x DB 9 (plug) / 1 x DB 9, LAN	1 x DB 9 (plug)	1 x DB 9 (plug), LAN	1 x DB 9 (plug)	1 x DB 9 (plug), LAN
Mouse interface	–	–	mouse control, USB	mouse control, USB	mouse control, USB	active control, USB	mouse control, USB
Audio (computer)	1 x 3.5 mm jack	1x3.5 mm jack/ –	2 x 3.5 mm jack	2 x 3.5 mm jack	2 x 3.5 mm jack	2 x 3.5 mm jack	2 x 3.5 mm jack
Audio (video)	–	–	1 x Cinch x 2	1 x Cinch x 2	1 x Cinch x 2	1 x Cinch x 2	2 x Cinch x 2
Monitor out	–	1 x HD 15 / –	1 x HD 15	1 x HD 15	1 x HD 15	1 x HD 15	1 x HD 15
Audio out	–	–	1 x 3.5 mm jack	1 x 3.5 mm jack	1 x 3.5 mm jack	1 x 3.5 mm jack	1 x 3.5 mm jack
SPECIAL FEATURES							
Keystone correction (digital)	vert. ± 15°	vert. ± 15°	vert. ± 30°	vert. ± 30°	vert. ± 30°	vert. ± 30°	vert. ± 30°
Loudspeaker	1 x 1 W	1 x 2 W / –	1 x 8 W	1 x 8 W	1 x 8 W	1 x 8 W	1 x 8 W
Supplied with	IR remote control with laser pointer, set of cables, soft bag	IR remote control with laser pointer, set of cables, soft bag	IR remote control with mouse and laser pointer, set of cables, soft bag	IR remote control with mouse and laser pointer, set of cables, soft bag	IR remote control with mouse and laser pointer, set of cables, soft bag	IR remote control with mouse, IR telescope pointer and pointer with pen	IR remote control with mouse and laser pointer, set of cables
Lamp warranty*	1 year or 500 h (whatever comes first)	1 year or 500 h (whatever comes first)	1 year or 500 h (whatever comes first)	1 year or 500 h (whatever comes first)	1 year or 500 h (whatever comes first)	1 year or 500 h (whatever comes first)	1 year or 500 h (whatever comes first)
Warranty*	2 years bring-in	2 years bring-in	2 years bring-in	2 years bring-in	2 years bring-in	2 years bring-in	2 years bring-in

* Other warranty conditions, e.g. project based, on demand

KINDERMANN Air Video 2000

Universal W-LAN adapter for data/video projectors

- Transmits monitor images via W-LAN or LAN to a projector / panel with VGA input.
- Conference master: a user registered as administrator controls the access of other participants.
- Video play mode for MPEG 1, 2, 4 with 60 images / second.
- Supports projectors with SVGA, XGA and WXGA resolution (1280 x 768 pixels).
- Installation by software download from W-LAN receiver or via USB dongle stick.
- Audio out for sound transmission.

KINDERMANN Air Video 2000	No. 8960000000

Technical data

KINDERMANN Air Video 2000	
Interface	1 x LAN / RJ 45 W-LAN (802.11b/g wireless) 1 x audio out (3.5 mm jack) 1 x VGA out (HD 15)
Supported systems	Windows Vista (with AERO glass effekt) Windows XP Home, Professional with SP2
Colour intensity	16 or 32 Bit
Function	Wireless presentation Wireless video playback Conference control
Safety	WEP 64 / 128 Bit Encryption / login code
Resolution	SVGA (800 x 600) XGA (1024 x 768) WXGA (1280 x 768)
Video streaming	MPEG1 playback (MPG, MPEG, DAT) MPEG2 playback (MPG, MPEG, VOB) MPEG4 playback (ASF, WMV9, up to 1080p)
Power supply	100 – 240 VAC / 5 VDC
Weight	0.370 kg
Dimensions	140 x 106 x 34 mm
Supplied with	Power supply, CD-ROM, manual, mounting plate

Carrying cases

for data/video projectors

Data Traveller large, business case with 4 compartments inner dim.: 350x270x110 mm	**No. 7362000000**

Attache case, aluminium, silver, inner dim.: 385x285x115 mm	**No. 5571000000**

Universal soft bag inner dim.: 320x250x85 mm	**No. 5572000000**

Aluminium case, with telescopic handle, on castors inner dim.: 470x320x150 mm	**No. 5582000000**

Universal carrying bag inner dim.: 410x280x165 mm	**No. 7362000001**

SANYO carrying bag, e.g. for PLC XU75 / 78 inner dim.: 344x88x242 mm	**No. 8928000002**

Subject to technical alterations, as well as to changes of the design and the colour

KINDERMANN is the distributor of several well-known brands and thus can offer data/video projectors for any application:

Meetings and small conferences, mobile presentations, large conferences and seminars, showrooms and exhibitions, educational and home use.

For further information about the latest models please visit our website www.kindermann.com resp. the original websites of the manufacturers:

www.epson.com www.sanyo-lcdp.com www.toshiba-projectors.com www.mitsubishi-presentations.com

EPSON®
EXCEED YOUR VISION

TOSHIBA
Leading Innovation

SANYO
Think GAIA For Life and the Earth

MITSUBISHI ELECTRIC
Changes for the Better

Displays

Presentation solutions for entrance halls, conference rooms, point of information, point of sale

KINDERMANN distributes professional LCD displays by:

CONRAC
High Performance Displays

SANYO

MITSUBISHI ELECTRIC
Changes for the Better
Electronic Visual Systems

SHARP

We offer a wide range of LCD displays from 32" up to 82" image diagonal:
standard models, weatherproof models for outdoor use, robust models resistant against oil, smoke or dust for industrial use.

You can find details about the latest models on our website www.kindermann.com or on the original websites of the manufacturers:

www.sanyo.de/products/LCD_monitors/default.asp?lg=E
www.conrac.de/en/html/products/bs/product-overview_bs.html
www.mitsubishi-presentations.com/products/lcd_showroom.html
www.sharp.eu-com/corporate/lcd_monitors.html

Subject to technical alterations, as well as to changes of the design and the colour

KINDERMANN Overhead projectors

- **High light output**
- **Low price**
- **Low maintenance costs**
- **Easy to operate**
- **Plug and play**

Overhead projectors have always been and still are the most widely spread means of presentation in schools and conference rooms.

Without requiring special technical understanding they enable the user to prepare his presentation in a very short time, to visualize facts convincingly and to get across a subject matter or a message clearly. Moreover, the pre-fabricated transparency can be easily changed or supplemented while the lecture is going on.

Problems like a loss of data, a programme failure or incompatibility do not bother the user of an ohp.

KINDERMANN offers any user a versatile programme of overhead projectors

Famulus reflex
The light-weight travellers

Famulus alpha
The low-budget projectors

Famulus beta
The professional projectors for schools, seminars and training

Famulus beta 400 K
Projector with Keystone correction

High quality
KINDERMANN overhead projectors have always been developed and produced at our Ochsenfurt headquarters. They are subject to strict quality controls.

ISO certified
The high quality standard of the whole manufacturing process is guaranteed by the German industrial standard DIN ISO 9001:2000.

Environment-friendly
KINDERMANN overhead projectors are environment-friendly. All components of the bodies are marked with different codes for different materials. They are not glued together so that they can be easily dismantled and recycled.

Maintenance-friendly
All KINDERMANN overhead projectors are maintenance-friendly, their functions are easy to check and, if necessary, components can be exchanged quickly.

KINDERMANN provides an excellent after-sales service, even many years after the purchasing date.

Quality made in Germany
by KINDERMANN

3 YEARS WARRANTY

DIN ISO 9001:2000 certificate

Subject to technical alterations, as well as to changes of the design and the colour

Users who travel a lot know the problems:

It is often difficult to visualize a lecture because of poor projection facilities at one´s destination. Who wants to be on the safe side, relies on his own overhead projector.

The Famulus reflex projectors are the best choice for mobile use. They are very handy and extremely powerful.

They create brilliant pictures to convince any audience.

The Famulus reflex M is equipped with a metal halide lamp which means more light (4,400 lumens) and a white and true-colour large-screen projection.

The high-quality 3-element vario-focal lens avoids colour fringes, and its automatic focal compensation and the Keystone correction of 8° makes it suitable for upward projection.

Famulus reflex T • reflex M

The light-weight travellers – small, light, super bright and flexible in use

reflex T 3000 lumens

reflex M 4400 lumens

Supplied with carrying bag

Quality made in Germany
by KINDERMANN

Famulus reflex T	2 halogen lamps 24 V/250 W/50 h • 3000 lumens • 6.5 kg	**No. 6089000000**
Famulus reflex M	300 W metal halide lamp • 4400 lumens • 4.6 kg	**No. 6090000000**
Halogen lamp 24 V/250 W	300 hours	**No. 6049000000**
Metal halide lamp 300 W	750 hours	**No. 6093000000**
Deluxe carrying case		**No. 6159000001**

The highlights of the reflex projectors

Exclusive features

- Excellent light output: up to 4400 lumens
- In transport position only 11 cm high

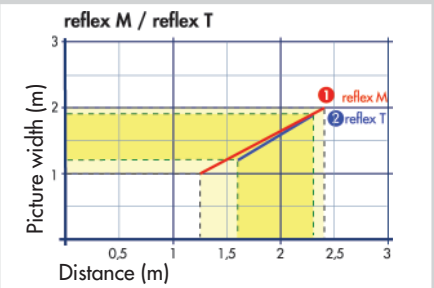
Advantages of the reflex projectors

- Easy transport
- Ready for projection in no time
- Compact construction and low weight
- Extremely flat working surface

Features

- High-quality 3-element vario-focal lens f = 280 - 300 mm (reflex M)
- 3-element lens f = 300 mm (reflex T)
- Quick lamp changer with 2 halogen lamps 24 V/250 W (reflex T)
- Metal halide lamp 300 W (reflex M)
- Electronic power supply with voltage stabilizer for a soft start (reflex M) and longer lamp life
- Conventional transformer (reflex T)
- Working surface A4 horizontal and vertical
- Glare-free fresnel lens
- Supplied with carrying bag

Picture size chart



For technical data see p. 16!

Subject to technical alterations, as well as to changes of the design and the colour

Famulus alpha 250 • alpha 400

The projectors for the small budget - "Made in Germany"

You are looking for a reliabe and maintenance-free overhead projector with a good projection quality but you have only a small budget? Then the Famulus alpha projectors are the proper choice for you.

alpha 250 **2500** lumens

alpha 400 **4400** lumens

Patented safety lens head
- no overheating of the lens

Foldable projection arm
- for convenient storage

No disturbing fan noise
- < 31 dB(A)

Quality made in Germany
by KINDERMANN

Famulus alpha 250	2 halogen lamps 24 V/250 W/50 h • 2500 lumens • 8.2 kg	**No. 9052000000**
Famulus alpha 400	2 halogen lamps 36 V/400 W/50 h • 4400 lumens • 9.4 kg	**No. 9053000000**
Halogen lamp 24 V/250 W	300 hours	**No. 6049000000**
Halogen lamp 36 V/400 W	300 hours	**No. 6071000000**
Dust cover		**No. 6806000001**
Roll attachment		**No. 9011000000**

Subject to technical alterations, as well as to changes of the design and the colour

The highlights of the alpha projectors

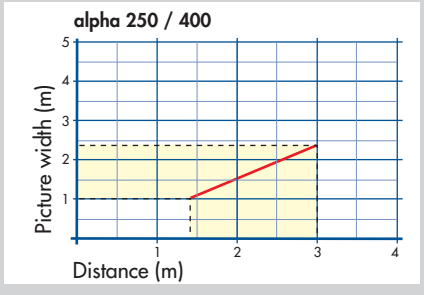
Exclusive features
- Safety lens head with a rotating knob for precise picture height adjustment
- Top quality „Made in Germany - by Kindermann"

Standard features
- High-quality 3-element projection lens f = 315 mm – high sharpness, good contrast
- Quick lamp changer with 2 lamps
- Foldable projection arm
- Very low fan noise < 31 dB(A)
- All operating buttons on top
- Glare-free fresnel lens
- Retractable pins for holding transparencies
- Optional roll attachment

Safety lens head
No overheating of the lens.

Foldable projection arm
For convenient storage and easy transport.

Picture size chart



For technical data see p. 16!

Famulus beta 250 • beta 400

The professional projectors for schools, seminars and training

Innovative technology as well as safe and convenient operation characterize the Famulus beta projectors.

Famulus beta 250

For the projection in small or medium-sized rooms.
With 2 halogen lamps 24 V/250 W, quick lamp changer with LED for lamp failure, economy switch, glare-free fresnel lens, vario-focal lens f = 275-320 mm, slot for anti-theft device, lockable projector body, foldable projection arm. Weight: 9.5 kg

Famulus beta 400

For the projection in medium-sized or large rooms. With 2 halogen lamps 36 V/400 W. Otherwise identical with beta 250.
Weight: 10.5 kg

beta 250 3500 lumens
beta 400 5400 lumens
beta 575 M 11000 lumens

Patented safety lens head
- no overheating of the lens

No disturbing fan noise
- < 30 dB(A)

Lockable projector body
- protects against unauthorized handling

High light output
- up to 11000 lumens

Famulus beta 575 M

The professional projector with extra high light output

Perfect for large screen presentations with colour-true images even in sunlit rooms.

Equipped with a 575 W metal halide lamp with average lamp life of 1000 hours, indication of operating time and LED for lamp changing.
Otherwise identical with beta 250.
Weight: 13.9 kg

Famulus beta 400 K

The large-screen projector with Keystone correction

To allow any member of the audience to see the full size of the picture, you have to project it at an extremely steep angle which leads to a trapezium-like distortion of the overall dimensions.

The special overhead projector with Keystone correction in upward or sideward projection excludes such a distortion up to a projection angle of 13°. Parallel lines remain parallel, a rectangle remains a rectangle.

beta 400 K 4700 lumens

Keystone correction 13°
- distortion-free projection

No disturbing fan noise
- < 30 dB(A)

Quality made in Germany
by KINDERMANN

Subject to technical alterations, as well as to changes of the design and the colour

The highlights of the beta projectors

Exclusive features

- Patented safety lens head with manual focusing for upward projection and precise picture height adjustment
- Manual focal compensation for upward projection
- Lockable projector body
- Slot for anti-theft device
- Condensor lens for a perfect overall illumination of the image

Standard features

- High-quality 3-element vario-focal lens f = 275 - 320 mm – no colour fringes
- Quick lamp changer with LED for lamp failure
- Economy switch
- Foldable projection arm
- Extremely low fan noise < 30 dB(A)
- All operating buttons on top
- Place for keeping pens, integrated in frame
- Glare-free fresnel lens
- Retractable pins for holding transparencies
- Optional roll attachment

Safety lens head

No overheating of the lens

Lockable projector body

prevents unauthorized persons from opening the top of the projector body and tampering with the technical components.

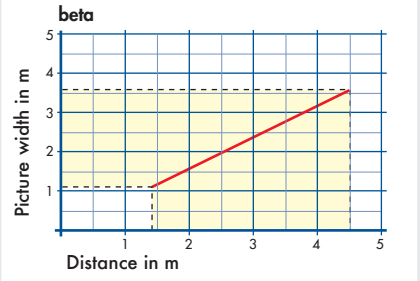
Anti-theft device

Slot to attach a lock as an anti-theft device.

Foldable projection arm

for convenient transport and storage.

Picture size chart



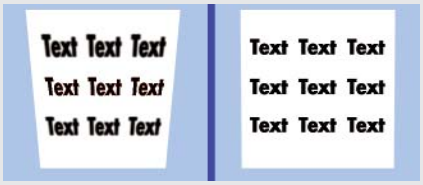
The highlights of the beta 400 K

Exclusive features

- Keystone correction 13° (30 %)
- High-quality 3-element vario-focal lens (f = 300 - 340 mm) – no colour fringes

Standard features

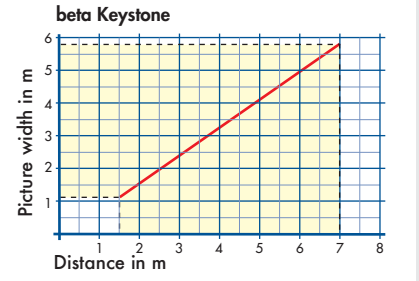
- 2 halogen lamps 400 W
- Lockable projector body
- Economy switch
- Quick lamp changer with LED for lamp failure
- Glare-free fresnel lens
- Protection arm not foldable
- Very low fan noise < 30 db(A)
- Place for keeping pens, integrated in frame
- Operating buttons on top
- Retractable pins for holding transparencies
- Optional roll attachment



Keystone correction

Large-screen projection without distortion

Picture size chart



Famulus beta 250	2 halogen lamps 24 V/250 W/50 h • 3500 lumens • 9.5 kg	**No. 9000000000**
Famulus beta 400	2 halogen lamps 36 V/400 W/50 h • 5400 lumens • 10.5 kg	**No. 9005000000**
Famulus beta 575 M	Metal halide lamp 575 W • 11000 lumens • 13.9 kg	**No. 9025000000**
Famulus beta 400 K	2 halogen lamps 36 V/400 W/50 h • 4700 lumens • 12.1 kg	**No. 9010000000**
Halogen lamp 24 V/250 W	300 hours	**No. 6049000000**
Halogen lamp 36 V/400 W	300 hours	**No. 6071000000**
Metal halide lamp 575 W	1000 hours	**No. 6797000000**
Dust cover		**No. 6806000001**
Roll attachment		**No. 9011000000**
Anti-theft device		**No. 5775000000**

Subject to technical alterations, as well as to changes of the design and the colour

For technical data see p. 16!

Technical data

	Reflex ohps		Transmissive ohps					
Model	**reflex T**	**reflex M**	**alpha 250**	**alpha 400**	**beta 250**	**beta 400**	**beta 575 M**	**beta 400 K**
Ref. No.	**6089000000**	**6090000000**	**9052000000**	**9053000000**	**9000000000**	**9005000000**	**9025000000**	**9010000000**
3-element lens in mm	300	280-300	315	315	275-320	275-320	275-320	300-340
Projection lamp in W	250	300	250	400	250	400	575	400
Average lamp life in hours	50	750	50	50	50	50	1000	50
Metal halide / halogen lamp	– / ✔	✔ / –	– / ✔	– / ✔	– / ✔	– / ✔	✔ / –	– / ✔
Light output in lumens	3000	4400	2500	4400	3500	5400	11000	4700
Working surface in mm	285 x 285	285 x 285	285 x 285	285 x 285	285 x 285	285 x 285	285 x 285	285 x 285
Focal compensation	✔	✔	–	–	✔	✔	✔	✔
Quick lamp change / LED	✔ / –	– / –	✔ / –	✔ / –	✔ / ✔	✔ / ✔	– / ✔	✔ / ✔
Economy switch	–	–	–	–	✔	✔	✔	✔
Foldable projection arm	✔	✔	✔	✔	✔	✔	✔	–
Slot for anti-theft device	–	–	–	–	✔	✔	✔	✔
Lockable projector body	–	–	–	–	✔	✔	✔	✔
Power supply (V/Hz *)	230 V/50–60	230 V/50–60	230 V/50–60	230 V/50–60	230 V/50–60	230 V/50–60	230 V/50	230 V/50–60
Noise level	36 dB(A)	36 dB(A)	31 dB(A)	31 dB(A)	30 dB(A)	30 dB(A)	30 dB(A)	30 dB(A)

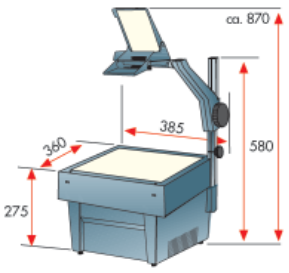
* other voltages upon request

Dimensions of the overhead projectors

reflex T / M

In transport position:
293 x 110 x 430 mm

alpha



In transport position:
385 x 405 x 500 mm

beta

In transport position:
385 x 320 x 525 mm

beta 400 K

Working material for overhead projectors

Transparency rolls and sheets

For the professional preparation of a lecture as well as for making notes during the lecture. Made from environmentally-friendly materials. Suitable for felt pens.

Transparency roll	10 m long / 29.7 cm wide	**No. 6078000000**
Transparency roll	30 m long / 29.7 cm wide	**No. 6074000000**
Transparency roll	15 m long / 36 cm wide	**No. 6866000000**
Transparency sheets	0.08 mm sheet/DIN A 4/100 per package	**No. 6864000000**
Transparency sheets	0.10 mm sheet/DIN A 4/100 per package	**No. 6865000000**

Anti glare panel

Anti glare panel device with joint and thread to be attached to the projection heads of transmissive type overhead projectors.

Anti glare panel	**No. 6108000000**

Felt pens

For writing on transparencies, package with 6 different colours:
black, blue, red, green, yellow and brown.

Felt pens	water soluble / fine	**No. 6091000000**
Felt pens	water proof / fine	**No. 6092000000**
Felt pens	water soluble / medium	**No. 6099000000**

Subject to technical alterations, as well as to changes of the design and the colour

Who opts for slide projection today makes a well-considered decision. The characteristic aestheticism of slides hasn´t lost its fascination, even after many decades. In terms of brilliance, intense colours and subtle contrasts slides remain impressive and incomparable.

KINDERMANN offers you four lines of classical slide projectors with the most modern technology.

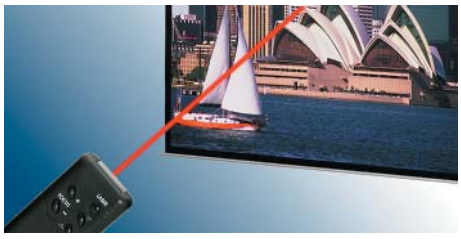
The Magic range

The high-quality projectors

35 mm slide projector designed for the ambitious amateur as well as for schools and seminars

Features

- 4-channel IR remote control: for forward and backward transport, for overriding the selective autofocus, and for activating the integrated laser pointer
- Selective autofocus
- Halogen lamp 150 W (model No. 8021) Halogen lamp 250 W (model No. 8024)
- Interchangeable lens 2.8/90 mm MC
- Compatible with 3 different magazines: LKM, universal or CS
- Input for tape recorder or other equipment
- Slide-controlled diaphragm
- Single slide holder
- 2 height-adjustable feet
- Quick fuse change
- Supplied with magazine
- Dim.: 270 x 295 x 122 mm
- Weight: 5 kg



The diafocus range

The reliable low-buget projectors

35 mm slide projector of solid construction and reliable technology

Features

- 2-channel remote control for forward and backward transport
- Remote control integrated in the projector's body (model No. 8000) or IR remote control (model No. 8003)
- Permanent autofocus
- Halogen lamp 24 V/150 W
- Interchangeable lens 2.8/90 mm MC
- Compatible with 3 different magazines: LKM, universal or CS
- Slide-controlled diaphragm
- Single slide holder
- 2 height-adjustable feet
- Supplied with magazine
- Dim.: 270 x 295 x 122 mm
- Weight: 5 kg

Magic 2500 AFS-IR with halogen lamp 24 V/250 W	**No. 8024000000**
Magic 1500 AFS-IR with halogen lamp 24 V/150 W	**No. 8021000000**

diafocus 1500 E-IR with IR remote control	**No. 8003000000**
diafocus 1500 E with cable remote control	**No. 8000000000**

Subject to technical alterations, as well as to changes of the design and the colour

Magic Screen IR

for projection on the built-in monitor or on a large screen

Zoom lens (optional)
85–150 mm, for screen projection at larger distances.

Zoom lens	No. 1388000000

Features

- Designed like a travel case, with built-in monitor ▭ 26 cm
- 2-channel IR remote control
- Permanent autofocus
- Halogen lamp 24 V/150 W
- Interchangeable lens 2.8/60 mm
- Compatible with 3 different magazines: LKM, universal or CS
- Power cable coiling
- Dim. of the travel case: 325 x 270 x 150 mm
- Weight: 5 kg

Magic Screen IR	No. 8008000000

diafocus 66 T

The high-performance projector for 6x6 slides for single or dissolve projection

Features

- For slide frames 7 x 7 in universal magazines for 30 slides
- Supplied with magazine
- Halogen lamp 24 V/250 W
- Projection lens 3.0/150 mm
- Forward and backward transport via remote control or buttons on the projector
- Socket for connecting a tape recorder, a timer or a cable remote control
- 2-dissolve sockets 6-pin and 10-/14-pin
- Voltage selector 115/125/230/240 V, 50 – 60 Hz
- Dim./Weight: 330 x 260 x 195 mm / ca. 6 kg

diafocus 66 T	No. 8016000000

Accessories

Interchangeable lenses for Magic and diafocus range

High-performance 5-element lens 1:2.4/90 mm MC	**No. 1805000000**
Zoom lens MC 70 – 120 mm	**No. 1385000000**
Zoom lens MC 85 – 150 mm	**No. 1386000000**

Lamps

Halogen lamp 24 V/250 W	**No. 1259000000**
Halogen lamp 24 V/150 W	**No. 1258000000**

LKM and universal magazines

Plastic box with 2 LKM magazines for 60 slides each	**No. 1181000000**
Plastic box with 2 universal magazines for 50 slides each	**No. 1192000000**
Case with 6 universal magazines for 50 slides each	**No. 1592000000**
Universal magazine for 30 slides 7 x 7	**No. 1169000000**

Carrying bag for Magic and diafocus range

For transport and storage of a slide projector. Designed like a camera bag, with compartment for accessories.

Carrying bag	No. 8133000000

Cable remote control for the Magic range

Recommended if the conditions for an IR control are unfavourable.

Remote control	**No. 1915000001**
Extension cable 10 m above	**No. 1078000000**

Picture size chart

for 35 mm projectors with 90 mm lens

Distance in m	2	3	4	5	6	7	8	9	10
Picture width in m	0.8	1.15	1.6	1.95	2.30	2.70	3.20	3.45	3.90

Formulas for picture sizes of 35 mm projectors

focal length (mm)	35 x projection distance (m)	picture width (m)
35 x projection distance (m) / picture width (m)	focal length (mm) x picture width (m)	35 x projection distance (m) / focal length (mm)

Subject to technical alterations, as well as to changes of the design and the colour

Visualizer PS 660

NEW!

The High-End Model

The PS 660 is our top model. It is equipped with a high-resolution 2 mega pixel CMOS sensor and an HDMI output for connecting HD equipment. It features an optical 15-fold zoom, an active 2 to 2 VGA switcher, and a USB 2.0 socket for connection to a computer.

The two longlife lamps guarantee an even illumination of objects and documents.

The split screen function allows to compare the live image of the camera with the screen shots stored in the memory and to project them side by side.

Moreover, full-size audio and video recordings can be stored on SD cards and thus e.g. complete experiments can be stored and recalled at a later date.

The integrated pass word protection prevents unauthorized use and theft of data.

Features

- UXGA resolution (1600 x 1200 pixels)
- 15-fold optical zoom
- Rotating camera head (90°, 180°, 270°)
- Integrated memory for up to 240 screen shots, can be extended via SD card
- Split screen
- Built-in backlight illumination e.g. for slides or x-ray images

Visualizer PS 400

The good value model

The PS 400 is the 'small brother' of the PS 660. It offers all standard functions and is excellent value for money.

Features

- XGA resolution (1024 x 768 pixels)
- 20 pictures per second
- 12-fold optical zoom
- Rotating camera head (90°, 180°, 270 °)
- Integrated memory for up to 80 screen shots, can be extended via CF card

Accessories

Microscope adapter for PS 400 / 660	**No. 7461000101**

Transport bag for PS 400 / 660	**No. 7461000100**

Large working surface

Even large objects (up to DIN A 3 size) can be perfectly positioned.

Easy to transport

The arm with the camera can be folded for easy storage or transport.

Rotating camera

The camera can be rotated by 90°, 180° and 270°, it can also be swivelled.

High connectivity

The PS 660 and PS 400 are compatible with many devices (ill. PS 660).

Subject to technical alterations, as well as to changes of the design and the colour

Visualizer DC 260

NEW!

Mobile high-resolution Multimedia visualizer

The visualizer DC 260 is equipped with a powerful graphic processor and appeals even to demanding users. It supports several functions: full HD transmission at the HDMI output for high-resolution images on large flatscreens, full-format video recordings on SD card, 4-fold optical zoom, and true SXGA resolution.
It has a prolonged swan neck and two lamps for optimal illumination.

Features

- SXGA resolution (1280 x 1024 pixels)
- Up to 1080 p via the HDMI output
- High-resolution video images on SD card
- 2 lamps for optimal illumination
- 4-fold optical zoom
- Integrated memory for up to 240 screen shots or up to 16 GB on memory card
- Supports USB 2.0

Enhanced design

The casing is in white piano finish.
The DC 260 has got a 56 cm long swan neck for scanning large or wide objects.

Moreover, it features two long-life lamps mounted on swan necks for an even illumination of the objects from any angle.

Functions

In the split screen mode live images can be compared with recorded images side by side.

The internal memory of the DC 260 can store up to 240 JPEG images.

Full-format audio and video recordings can be stored on an SD memory card.
A microphone is integrated. So complete experiments, e.g., can be recorded and later replayed. The slide show function can directly transmit audio clips, pictures and videos to a connected HD monitor or projector.

USB 2.0 high speed connection to Windows and Apple

The DC 260 also supports the WIA and TWAIN standard for Windows as well as Quicktime for Macintosh for direct transmission of images and videos.

Remote control in credit card size

can be stored in a holder integrated in the unit's body

Two lamps at the swan neck

for optimal flexible illumination

Accessories

Carrying bag for DC 260	**No. 7461000102**

Subject to technical alterations, as well as to changes of the design and the colour

Visualizer
DC 162 / DC 155 /DC 133

The flexible camera for education and training

The visualizers DC 133, DC 155 and DC 162 combine the flexible application of a swan neck camera with the quality of a professional visualizer.
Due to the high resolution the camera projects crystal clear images on the monitor or on the screen. Besides, the units truly offer good value.
For optimal picture quality we recommend a projector or a display with high resolution

Features

- DC 162:
  SXGA resolution (1280 x 1024 pixels)
  DC 155 and 133:
  XGA resolution (1024 x 768 pixels)
- Progressive scan CCD with 20 screen shots per second
- Integrated memory for up to 80 screen shots
- Autofocus and optical 3-fold zoom (DC 162)
- Connection to a PC via USB for remote control or image transfer

Flexible positioning of the camera

Not all objects are flat!
Therefore the swan neck can be rotated by nearly 360° and thus objects can be viewed from different angles.

Mikroscope adapter

An adapter for using the DC 162 with a microscope is supplied with each unit.

Technical data:

Model	DC 155 / DC 133	DC 162	DC 260	PS 400	PS 660
Application	Mobile	Mobile	Mobile	Desktop	Desktop
Illustration					
Ref. No.	**7461000013 / 7461000014**	**7461000012**	**7461000011**	**7461000009**	**7461000015**
True resolution in pixels	XGA 1024 x 768	SXGA 1280 x 1024	SXGA 1280x1024	XGA 1024 x 768	UXGA 1600 x 1200
Image resolution in pixels	XGA, SVGA	SXGA, XGA, SVGA	1080p, UXGA, SXGA, XGA	XGA, SVGA	HDMI: 1080p/720p HDMI/VGA: UXGA/ SXGA/XGA
Picture sequence in seconds	20 / 24	20	15 (SXGA) / 20 (XGA)	24	15 (UXGA)
Integrated memory for photos	ca. 80 / 9	ca. 64	ca. 240	ca. 80	ca. 240
Slot for memory extension	– / –	–	SD Card	Compact Flash	SD Card
Rotating head	Swan neck	Swan neck	Swan neck	90° / 180° / 270°	90° / 180° / 270°
Functions	Freeze	Freeze/split screen	Freeze, split screen, slide show, auto backup	Freeze	Freeze, split screen, slide show, auto backup
Zoom	mechanical, 16 x digital	3 x optical, mechanical, 16 x digital	3 x optical, mechanical, 6 x digital	12 x optical, 4 x digital	15 x optical, 4 x digital
Zoom / focus	manual / autofocus	motorized / autofocus	motorized / autofocus	motorized / autofocus	motorized / autofocus
Illumination	1 lamp (flexible on swan neck)	1 lamp (flexible on swan neck)	2 lamps (flexible on swan neck)	2 arms with lamp, back light 127 x 101 mm	2 arms with lamp, back light 127 x 101 mm
Inputs	VGA via DVI-I / VGA	VGA via DVI-I	VGA, microphone	VGA	VGA, audio
Outputs	VGA/DVI-D or video/ VGA + video	VGA/DVI-D or video	HDMI, VGA or video, audio	VGA, DVI, video, S-video, DC 12V/0.75 A	HDMI, 2x VGA or video, audio
PC interface	RS 232, USB 1.1 / USB	RS 232, USB 1.1	RS 232, USB 2.0	RS 232, USB 1.1	RS 232, USB 2.0
Max. working surface	350 x 260 / 330 x 250 mm	340 x 270 mm	350 x 280 mm	350 x 260 mm	355 x 266 mm
Min. working surface	46 x 35 mm / 32 x 24 mm	48 x 38 mm	45 x 36 mm	32 x 24 mm	40 x 30 mm
Dimensions in operation	450 x 140 x 400 mm / 400 x 140 x 360 mm	460 x 220 x 400 mm	432 x 211 559 mm	520 x 350 x 568 mm	520 x 350 x 590 mm
Weight	ca. 2.2 kg / ca. 2.4 kg	ca. 2.3 kg	ca. 2.3 kg	ca. 5 kg	ca. 5.5 kg
Supplied with	connection cables, software, IR remote control	connection cables, software, IR remote control, microscope adapter	connection cables, software, IR remote control, microscope adapter	connection cables, software, IR remote control	connection cables, software, IR remote control

Subject to technical alterations, as well as to changes of the design and the colour

Copyboards

Make your meetings more effective

- Ideal for conferences, meetings, team work
- For storing data directly on a USB stick (without PC)
- Direct connection to PC via USB cable
- For printing data (printer is not supplied)
- Model M-125 also suitable for projection

Copyboard M12 series – innovations

- Company logo possible in head or bottom line
- „Delete reminder" transports used page to the front side when the unit is switched off
- Considerably lower energy consumption
- Integrated cable guide

Copyboard M-12S	Reading area covered by scan: 1280 x 900 mm	**No. 6936000010**
Copyboard M-12W	Reading area covered by scan: 1780 x 900 mm	**No. 6936000011**
Copyboard M-125	Reading area covered by scan: 1280 x 900 mm	**No. 6936000012**

Interactive systems

Interactive systems are the ideal tool for new ways of presentation. For working with an interactive whiteboard you need a computer and a data/video projector, which projects the computer image on the touch sensitive surface of the board. This turns the board into a large touchscreen.

The advantages:

- Impressive visualization of information
- Attention grabber
- Simple digitalization of notes
- Quick and easy data transfer digitally or in print

Recommended applications

Schools		Business
eno	**TS boards**	**Walk-and-Talk™ boards**
Enamelled surface	Touch sensitive surface	Touch sensitive surface
Bluetooth pen + iconstrip	Finger + iconstrip	Finger + iconstrip

Three product ranges – one software

How many technical differences the product ranges may have, the software is always the same and easy to operate.

The Polyvision driver is compatible with all the three boards.
The motto „less is more" reduces the different functions to the required minimum.

Thus the user as well as the IT department need less training, which may be of importance especially if the user frequently changes. Only few steps have to be learned, the operation of the boards is intuitive.

Subject to technical alterations, as well as to changes of the design and the colour

ēno NEW!
by PolyVision

The ultimative whiteboard

You can work with eno as if it were a conventional whiteboard. Use your felt pens and magnets, use adhesive tape and be sure that the surface is scratchfree.

Connect eno to a data/video projector and use a wireless bluetooth pen and you get an interactive whiteboard. It is compatible with computers running with Microsoft Windows or Mac OS. eno does not require any special software by the manufacturer – instead you can use any educational software, or any other application is possible, such as web browser, Microsoft Powerpoint, music software and many others.

The bluetooth pen supplied transfers all movements to the software, and the projector visualizes what is written or drawn.

To choose among different pen functions, a magnetic iconstrip is attached to the whiteboard – the software automatically recognizes the position of the iconstrip and the function that has been chosen.

- eno does not require any installation measures, no cables for electricity or data transfer.
- The „e3-Environmental Ceramicsteel" surface is ideal for felt pens, magnets and interactive projection.
- The whiteboard is easy to use, maintenance free and lives for generations.

eno 2610 writing surface 119.2 x 158.9 cm	**No. 7478000001**
eno 2810 writing surface 119.2 x 212.2 cm	**No. 7478000002**

Polyvision TS / TSL boards

The TS range is the proper product for all users who like working with a versatile board software.

Due to the touch-sensitive surface and the „iconstrip" on the left margin working with the board is really easy.

The Webster software realizes all notes and drawings which are written an the surface with a whiteboard marker in real time. Special pens are not needed.

Webster board TS 610 writing surface 78"/165 x 109 cm	**No. 7472000002**
Webster board TSL 610 with lightning technology writing surface 78"/165 x 109 cm	**No. 7472000006**
Webster board TS 810 writing surface 104"/241x 109 cm	**No. 7472000003**

Polyvision Walk-and Talk™ boards

Intuitive operation without sophisticated software installation

The Walk-and Talk™ Board is ready to „plug and play" due to the new PolyKey™.

Before the first use of the board the PolyKey™. is connected to the USB interface. The driver is thereby installed and the presentation can begin! The advantage for the presenter is that he can move freely in the lecture room while having everything under control. Via the Walk-and Talk™ IR remote all the interactive functions can be used and mouse-controlled.

Self-adjusting boards – with „Lightning technology"

These boards automatically adjust themselves to the light signals sent by the data/video projector.

Only three steps are necessary:

Walk-and-Talk™ WT 1610 writing surface 78"/165 x 109 cm	**No. 7477000002**
Walk-and-Talk™ WTL 1610 with lightning technology writing surface 78"/165 x 109 cm	**No. 7477000006**
Walk-and-Talk™ WT 1810 writing surface 104"/241x 109 cm	**No. 7477000003**

! We also offer accessories for the interactive boards, including various stands. Ask for more details.

Subject to technical alterations, as well as to changes of the design and the colour

KINDERMANN Mobile box 75W

The ideal mobile box for schools

- 75 W capacity
- Integrated battery
- CD player
- Cassette recorder
- Radio microphone
- Detachable trolley with telescope handle

Technical data of box	
Capacity	75 W RMS
Speaker	1 x 8" full range, 4 Ω
Frequency	50 Hz – 18kHz, +/–3dB
Inputs	2 x line (stereo cinch / 6.3 mm jack), 2 x microphone (XLR / 6.3 mm jack)
Outputs	1 x line, 1 x loudspeaker (2 x 6.3 mm jack)
Battery	2 x 12 V, 4.5 Ah
Battery good for	ca. 2 – 6 hours
Charging time	1.5 – 8 hours
Power supply	230 V / 50 Hz
Dimensions	44 x 33 x 24 cm
Weight incl. battery	13 kg
Technical data of radio microphone	
Receiver	UHF Non Diversity
Frequency	863, 100 MHz or 864, 500 MHz
Frequency stability	+/– 0,005 %
Frequency response	max. 10 mW
Battery	9 V block

Ref.	No.
KINDERMANN Mobile box 75 W	**8700000000**
Protective cover for 8700	**8700000001**

Liberty

Battery operated and extremely powerful

The mobile Liberty box is easy to operate and flexible in use due to its integrated battery. It is the perfect allround equipment for schools, sport events, business etc.

- Battery operated
- 117 dB – crystal clear sound
- Voice mode
- Sturdy CD player
- For up to 2 radio receivers
- Weather proof loudspeaker membran
- Improved limiter electronics for avoiding distortions

Technical data of box	
Capacity	50 Watt
Max. sound impact	117 dB/107 dB (with/without voice amplifier)
Speaker	1 x 8" subwoofer, 1 x 1.5" titanium compression driver
Frequency	60 Hz – 15 kHz
Inputs	2 x microphone (combo socket) with 12 V phantom powering, 1 x line (6.3 mm jack)
Outputs	1 x line (6.3 mm jack), 2 x loudspeaker out 6.3 mm jack (switched 8 Ω /unswitched 4 Ω
Battery good for	>10 hours (depending on battery status)
Power supply	90 – 264 VAC, 50/60 Hz, 50 W max.
Dimensions	57 x 33 x 25 cm
Weight	20 kg
Technical data of radio microphone	
Receiver	UHF, True Diversity
Modulation/oscillation	FM/PLL synthesizer
Frequency	863.125 – 864.875 MHz, 16 pre-programmed frequencies
Stability	± 0.005 %
Transmission range	60 Hz – 15 KHz (± 3dB)
Distortion factor	< 1%(@1 KHz)

Ref.	No.
Liberty 6000 HCU1, incl. CD player and 1 radio receiver	**8703000024**
Liberty 6000 HCU2, incl. CD player and 2 radio receivers	**8703000025**
Liberty 6001, additional passive loudspeaker	**8703000029**

Subject to technical alterations, as well as to changes of the design and the colour

KINDERMANN Active box set 50+

The perfect active box set for schools and conferences

Active box set consisting of an active and a passive loudspeaker, includes connection cables and wall mounts.

The perfect set for use in classrooms, seminar rooms and small conference rooms.

Technical data	
Capacity	30 W RMS / 50 W music
Speaker	1 x 5.25" subwoofer, 1" tweeter
Frequency	45 Hz – 20 KHz
Emission	120° x 100°
Inputs (Line)	1 x cinch stereo, 1 x 3.5 mm jack, 1 x symmetric (Euro block)
Output	Loudspeaker output (Euro block)
Volume controle	Volume, treble, bass
Power supply	230 V / 50 Hz
Dimensions	238 x 181 x 170 mm
Weight	5.75 kg incl. wall mounts

Ref.	No.
KINDERMANN Active box set 50+, white	8705000020
KINDERMANN Active box set 50+, black	8705000021

KINDERMANN Active box set 75

The ideal active box set for larger rooms

The active box set 75 consists of two active 2-way bass-reflex speakers with active signal splitter.

It is perfect for installation and mobile use, for language and music and it is supplied with a U-shaped mounting bracket.

Hint:

Via the output the signal can be transferred to other active speakers (a 3-pin XLR cable m/f is required, e.g. 7489-2)

Technical data	
Capacity	50 W RMS / 80 W music
Speaker	1 x ,6.5" subwoofer, 1" tweeter
Frequency	80 Hz – 20 KHz
Sound impact	91 dB (1 W / 1 m) max. 112 dB
Emission	90° x 90°
Inputs	3-pin XLR (f), switchable microphone/line
Output	3-pin XLR (m)
Volume controle	Volume, treble, bass
Power supply	230 V / 50 Hz
Dimensions	36 x 23.2 x 20 cm
Weight	7 kg incl. battery

Ref.	No.
KINDERMANN Active box set 75, white	8706000010
KINDERMANN Active box set 75, black	8706000011

KINDERMANN Active box AN-130

Compact active box with remote control

Compact active box with IR remote for convenient volume control, even when connected to a CD or DVD player.

Technical data	
Capacity	30 W
Max. sound impact	101 dB
Speakers	4.5" subwoofer, 0.4" tweeter
Frequency	65 Hz – 18 kHz (± 3 dB)
Inputs	Line: 1 x cinch (L/R – internal mono play) and 1 x 6.3 mm jack, microphone 6.3 mm jack
Outputs	6.3 mm jack
Power supply	110-240 VAC, 50/60 Hz, 50 Watt max.
Dimensions	13 x 21 x 23 cm
Weight	3.8 kg

Ref.	No.
KINDERMANN AN-130, white, incl. IR remote control	8705000034
KINDERMANN AN-130, black, incl. IR remote control	8705000035
Wandhalterung, white	8705000130
Wandhalterung, black	8705000131

Subject to technical alterations, as well as to changes of the design and the colour

Radio microphones for mobile boxes 8703-xx

Radio microphone	No. 8703000100

Technical data	
Frequency response	10 mWatt
Power supply	2 x 1.5 V batteries (AA)
Operation time	Up to 20 hours
Capacity	65 mA ± 10 mA
Dimensions	Handheld sender: 267 mm long, ø 55 mm Pocket sender: 98 x 66 x 26 mm

Pocket sender	No. 8703000110

Transport cases/ bags

- made of nylon, with castors and telescope handle

Transport bag for Liberty	No. 8703000120

Microphones for pocket senders

- All microphones with TAHF plug, for connection to pocket sender No. 8703000110

Ear clip microphone, only 0.026 kg	No. 8703000111
Lavalier microphone	No. 8703000113
Headset microphone	No. 8703000114

Tripod for loudspeakers

- Black
- Aluminium
- Height adjustable from 132 – 202 cm
- Weight: up to 35 kg (when load centred)
- Weight: 3.2 kg

Tripod	No. 8700000010

Carrying bag for tripod

- ca. 1.5 m long
- for 2 tripods No. 8700000010

Carrying bag for 2 tripods No. 8700000010	No. 8700000011

Note !

We offer more loudspeakers, microphones, as well as amplifiers, and mixers.
Please ask for details, or visit our website www.kindermann.com

Subject to technical alterations, as well as to changes of the design and the colour

S-LINE *Series of sturdy projection trolleys for schools*

The low-budget model

Simple projection trolley for overhead projectors. With tray 38 x 39 cm.

- With 4 castors, 2 of them lockable
- Dim.: 38 x 40.5 x 62/100 cm
- Weight: 7 kg
- Supplied in pieces

The low budget-model	No. 6293000002

The flexible model

Practical projection trolley for overhead projectors. With centre tray 45 x 45 cm and 2 side trays.

- With 4 castors, 2 of them lockable
- Weight: 13 kg
- Supplied partly mounted

The flexible model	No. 6295000100

The best selling model

Projection trolley of sturdy steel tube construction. With cutout for overhead projectors 42 x 53 cm.

- With 4 castors, 2 of them lockable.
- Dim.: 60 x 70 cm
- Weight: 17 kg
- Supplied fully mounted

The best selling model	No. 6535000100

The comfortable model

Sturdy and elegant projection table for a lecturer working with an overhead projector in sitting or standing position.
Tray: 54 x 63 cm, cutout: 43 x 54 cm.

- With 4 castors, 2 of them lockable
- Dim.: 68 x 59 cm
- Weight: 28 kg
- Supplied fully mounted

The comfortable model	No. 6524000000
Optional deposit tray	No. 6527000000

The DVP model

Projection trolley for data/video projectors and visualizers

- Tiltable projector tray 40 x 50 cm with safety rail
- Working surface for notebook or other accessories
- Base 40 x 32 cm
- With 4 castors, 2 of them lockable
- Weight: 13 kg
- Supplied fully mounted

The DVP model	No. 6522000000
Deposit tray for 6522 40 x 32 cm	No. 6522000001

The allround model

Projection trolley for data/video and opaque projectors, with tiltable working surface 39 x 63 cm, extendable tray 44 x 37 cm, and desposit tray 45x47 cm.

- With 4 castors, 2 of them lockable
- Inc. triple socket with 5 m cable
- Dim.: 89-115 x 45 x 69 cm
- Weight: 35 kg
- Supplied fully mounted

The allround model	No. 6526000001

Subject to technical alterations, as well as to changes of the design and the colour

B-LINE *Presentation furniture of the Business Class*

Range of colours*

Choose from our B-line the colour that suits your surroundings best.

The standard colour is RAL 9006, white aluminium with maple decor.

The following colours and decors are available at extra charge:

RAL 3003	ruby red
RAL 5002	ultramarine
RAL 5014	pigeon blue
RAL 5015	azure
RAL 6005	moss green
RAL 7022	umbra grey, structure
RAL 7036	platinum grey
RAL 9005	deep black

Range of decors

platinum grey
ash white
beech
ash black

Projection trolleys

Available in 3 versions:

a) for data/video projectors with fixed surface 55 x 54 cm
b) for overhead projectors with cutout 43 x 54 cm
c) for data/video projectors with 10″ height adjustment

Sturdy steel tube construction, RAL 9006, wooden surface in ash decor:

- With 4 castors, 2 of them lockable
- Available in two heights
- Dim. 60 x 59 x 75 or 100 cm
- Colour and type of wood selectable at extra charge*

Version a)

Version b)

Version c)

DVP projection trolley, fixed, height 75 cm	**No. 5000000511**
DVP projection trolley, fixed, height 100 cm	**No. 5000000514**
OHP projection trolley, height 75 cm	**No. 5000000510**
OHP projection trolley, height 100 cm	**No. 5000000513**
DVP projection trolley, tiltable, height 75 cm	**No. 5000000512**
DVP projection trolley, tiltable, height 100 cm	**No. 5000000515**

Flipchart

Height-adjustable flip chart with hydraulic cylinder

- Surface also suitable as whiteboard for dry-wipe markers
- With 4 castors, 2 of them lockable
- Rack RAL 9006

Flip chart, RAL 9006	**No. 4644000101**
Flip chart pad	**No. 6917000100**

Lectern

Elegant lectern of enamelled steel, front wall in ash decor:

- With 4 castors, 2 of them lockable
- Supplied fully mounted
- Dimensions: 68 x 43.5 x 116 cm
- Colour and type of wood selectable at extra charge*
- Desktop connections can be integrated at extra charge (see p. 61 ff).
- Back wall available with door at extra charge

Lectern	**No. 5000000500**
Version with desktop connections (at extra charge)	**No. 5000000501**
Version back wall with door (at extra charge)	**No. 5000000502**

Roll screen

Screen 180 x 180 cm on mobile rack

- With 4 castors, 2 of them lockable
- Tripod extendable up to 3 m
- Rack RAL 9006
- Supplied fully mounted

Roll screen	**No. 4509000001**

Subject to technical alterations, as well as to changes of the design and the colour

D-LINE *in glass design*

Well-designed elegant trolleys for presentations

- Decorative products for lecture rooms and conference rooms
- High-quality chromium-plated stands with individual height adjustment
- Convex front plate of high-quality tinted acrylic glass
- Trays made of tempered glass

MultiMedia trolley in glass design

Decorative computer trolley

Chromium-plated trolley with 5 castors, all lockable. Needs only little space. One PC tray of coated steel, as well as four tempered glass trays for printer, keyboard, mouse and monitor. The height of the glass tray can be individually adjusted.

Design

- Tripod of chromium-plated steel
- Crystal-clear tempered glass trays

Equipment

- 4 stepless height-adjustable trays that can be swivelled
- Maximum weight per tray: 15 kg
- 5 lockable castors (diameter 50 mm)

Dimensions / weight

- Height: 86.5 cm
- Size of trays
  1 : 40 x 30 cm
  2 : 30 cm (ø)
  3 : 60 x 30 cm
  4 : 50 x 30 cm
  PC holder: 30 x 23.5 cm
- Weight: ca. 15 kg

MultiMedia trolley in glass design	No. 4750000002

Lectern in glass design

Chromium-plated steel tripod

- Glass tray for manuscripts
- Simple stepless height adjustment 105–145 cm
- Lower tray height-adjustable, can be swivelled, size 50 x 26.5 cm
- Upper tray 48 x 36 cm
- 5 lockable castors
- Maximum weight per tray: 15 kg
- Weight: 13 kg

Lectern in glass design	No. 4750000000

Projection trolley in glass design

Chromium-plated steel tripod

- Glass working surface
- Simple stepless height adjustment 105–145 cm
- Lower tray height-adjustable, can be swivelled, size 50x26.5 cm
- Upper tray 40 cm diameter
- 5 lockable castors
- Maximum weight per tray: 15 kg
- Weight: 11 kg

Projection trolley in glass design	No. 4750000001

Flip chart in glass design

High-quality decorative flip chart

- Chromium-plated steel in combination with tinted acrylic glass
- Easy-going height adjustment: range 170–200 cm
- 5 lockable castors
- To be used only with flip chart pad

Flip chart in glass design	No. 4750000003
Flip chart pad 5 packs, 20 sheets each	No. 6917000100

Subject to technical alterations, as well as to changes of the design and the colour

Whiteboards

The classical writing boards for conferences

- For mounting on the wall
- Solid construction
- Long life
- For whiteboard markers
- Can be dry-wiped
- Magnetic surface
- Integrated pen tray
- For landscape or portrait position
- 25 years warranty for enamelled surface

Whiteboards B-Line

Enamelled long life surface that can be easily dry-wiped.
Supplied with mounting kit and pen tray.
Board with coated aluminium frame and metal rear side.

Size 60 x 90 cm	No. 4540000100
Size 90 x 120 cm	No. 4540000101
Size 100 x 150 cm	No. 4540000102
Size 90 x 180 cm	No. 4540000103
Size 120 x 180 cm	No. 4540000104
Size 100 x 200 cm	No. 4540000105
Size 120 x 220 cm	No. 4540000106

Whiteboards S-Line

Varnished surface for the small budget.
Supplied with mounting kit and pen tray.
Board with coated aluminium frame and metal rear side.

Size 60 x 90 cm	No. 4640000100
Size 90 x 120 cm	No. 4640000101
Size 100 x 150 cm	No. 4640000102
Size 90 x 180 cm	No. 4640000103
Size 120 x 180 cm	No. 4640000104
Size 100 x 200 cm	No. 4640000105
Size 120 x 220 cm	No. 4640000106

Accessories

Starter kit	No. 4546000000

Please note:
For whiteboard markers and other accessories see page 33.

Pin boards

Ideal for pinning memos, posters, instructions, notices

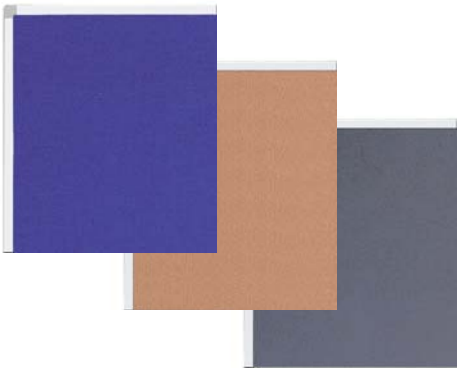
Supplied with mounting kit.

The pin boards are available with different surfaces:

Felt: blue or grey
Cork: beige
Rear side: sturdy metal plate

Pin board, cork, 60 x 90 cm	No. 4740000100
Pin board, cork, 90 x 120 cm	No. 4740000101
Pin board, felt blue, 60 x 90 cm	No. 4741000100
Pin board, felt blue, 90 x 120 cm	No. 4741000101
Pin board, felt grey, 60 x 90 cm	No. 4742000100
Pin board, felt grey, 90 x 120 cm	No. 4742000101

Please note:
Other sizes and colours, and other board surfaces (e.g. blackboards) are available on demand!



Subject to technical alterations, as well as to changes of the design and the colour

Presentation boards

- Light-weight, sturdy aluminium construction
- Aluminium frame with rounded corners
- Can be used on both sides
- 4 castors, 2 lockable (optional)
- Overall height 198 cm
- With floor gliders

150 x 120 cm, light-blue felt cloth	No. 4530000100
150 x 120 cm, beige half linen	No. 4530000101
150 x 120 cm, in carton, grey	No. 4530000102
2 x 75 x 120 cm each, light blue felt cloth foldable	No. 4532000100
2x 75 x 120 cm each, beige half linen foldable	No. 4532000101
Castors (optional), 2 lockable	No. 4530000200

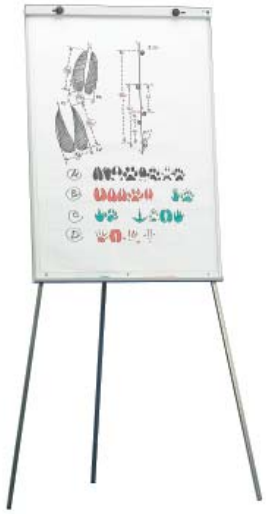
Presentation flip chart

- Textile pin board
- White magnetic writing board
- Universal holder for paper pads
- 4 lockable castors
- Board dim. approx. 108 x 78 cm
- Overall height approx. 190 cm

Presentation flip chart	No. 4533000100

Flip chart Budget

- Magnetic board 100 x 70 cm
- Integrated pen tray
- Holder with two fixing screws
- Height-adjustable up to 190 cm
- With tripod
- Optional wheel base



Flip chart Budget	No. 4534000001
Flip chart pad, 20 sheeds	No. 6917000000

Flip chart Standard

- Magnetic board 105 x 70 cm
- 2 extendable arms
- Integrated pen tray
- Holder for all common paper pads
- Stepless height-adjustment up to 180 cm
- With tripod
- Optional wheel base

Flip chart Standard	No. 4535000001
Flip chart pad, 20 sheets	No. 6917000000

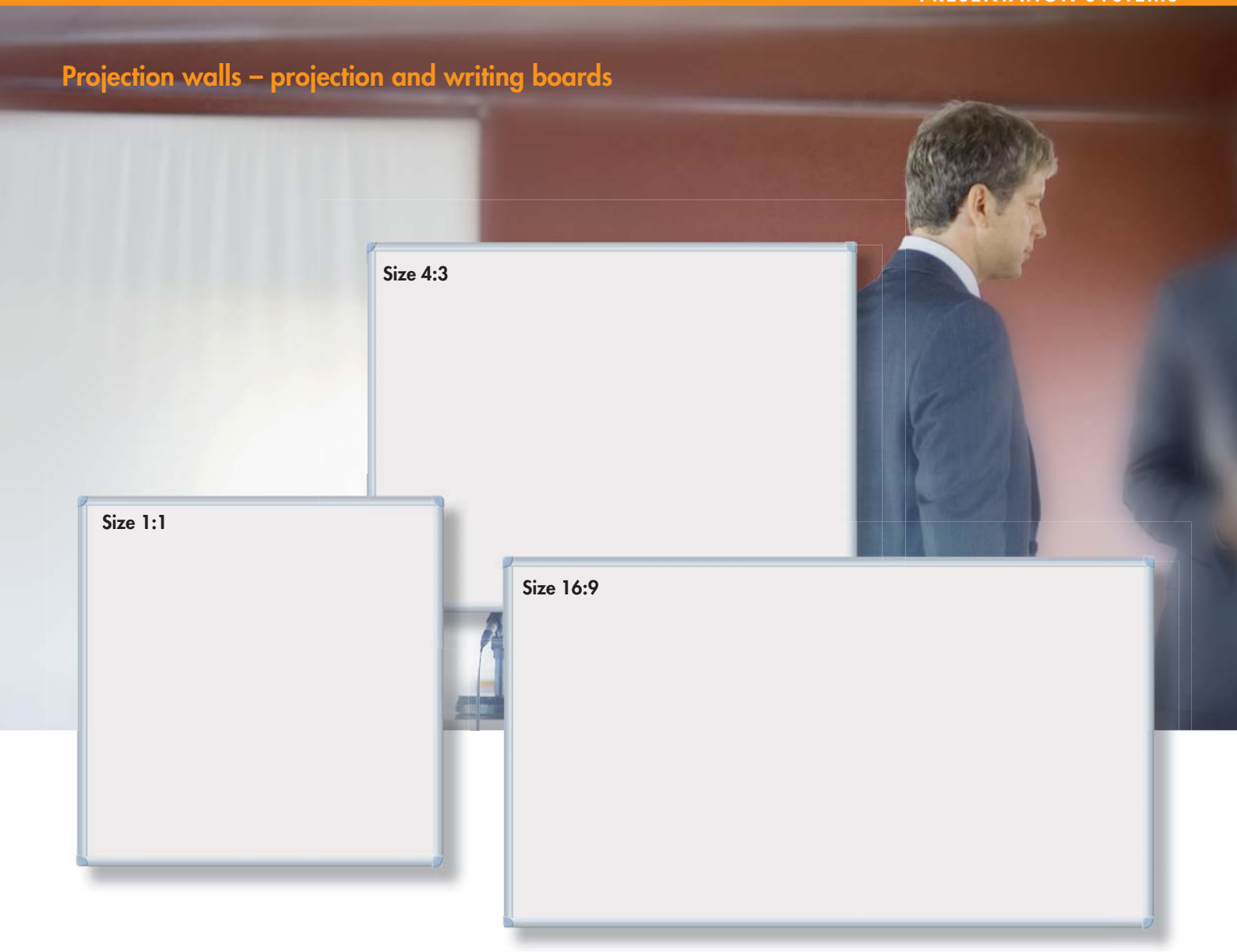
Flip chart Professional

- Magnetic board 106 x 74 cm
- Surface for dry wiping
- 2 plug-in paper holders
- Fixed 30° angle
- Quick-change holder for paper pads
- Height-adjustable from 175 up to 195 cm
- 5 lockable castors

Flip chart Professional	No. 4536000001
Flip chart pad, 20 sheets	No. 6917000000

Subject to technical alterations, as well as to changes of the design and the colour

Projection walls – projection and writing boards



Projection wall

for wall mounting

- With coated aluminium frame
- Solid projection surface with special coating
- Non-magnetic
- Not suitable for writing on
- Long life
- Supplied with mounting material

Tiltable

Size 150 x 200 cm	No. 4542000000
Size 200 x 200 cm	No. 4542000001
Size 180 x 240 cm	No. 4542000002
Size 115 x 200 cm	No. 4542000008
Size 138 x 240 cm	No. 4542000009

Non-tiltable

Size 150 x 200 cm	No. 4542000003
Size 200 x 200 cm	No. 4542000004
Size 180 x 240 cm	No. 4542000005
Size 115 x 200 cm	No. 4542000006
Size 138 x 240 cm	No. 4542000007

Projection and writing board

for wall mounting, non-tiltable

- With coated aluminium frame
- Solid magnetic projection surface with special coating
- Can be used as projection board and as writing board
- Can be dry-wiped
- Long life
- Supplied with mounting material

Non-tiltable

Size 150 x 150 cm	No. 4543000000
Size 150 x 200 cm	No. 4543000001

Please note!

For accessories, e.g. presentation cases, paper pads, markers etc., see our price list.

Subject to technical alterations, as well as to changes of the design and the colour

Laser pens

These three low-priced laser pens support your presentation.
A red dot clearly marks details of the projection over a distance of more than 50 m. Safety class 2.

The laser pen No. 6960-2 is equipped with 2 AAA batteries.
The models No. 6960-0 and 6960-1 are equipped with 3 batteries LR41.

Laser pen with PDA and ball pen	**No. 6960000000**
Laser pen with ball pen and pointer	**No. 6960000001**
Laser pen	**No. 6960000002**

Green laser pointer

This innovative laser pointer is much brighter than any model with a red dot. You can be sure, the green dot will attract the attention of each member of your audience.

Especially useful for sunlit rooms or auditoriums.

Safety class 2, supplied with two 1.5 V AAA batteries.

- Range up to ca. 200 m
- Wave length 532 mm
- Dim.: 15.5 cm long, 1.4 cm wide
- Weight: ca. 0.074 kg incl. battery

Laser pointer with a green dot , black/silver	**No. 6960000030**
Laser pointer with a green dot, black/gold	**No. 6960000031**

Remote controls for computer presentations

When using the KINDERMANN remote controls you need not stand next to your notebook, and you need not ask anyone for assistance either. The radio remote allows you to move freely in the conference room. The „plug & play" installation is really easy.

- Green laser pointer, up to 10x brighter than a model with a red dot
- Mouse function
- „Click trigger" for forefinger (left mouse button)
- Page up/down
- 4 freely configurable buttons (via software)
- Automatic adjustment of radio channel (64,000 channels possible)

Remote Point Jade	**No. 7462000003**

- Mouse function
- „Click trigger" for forefinger (left mouse button)
- Page up/down
- Blanking
- Laser pointer

Global Presenter RF	**No. 7462000002**

- Mouse function
- Page up/down
- White/black monitor
- Alt+Tab (switching between applications)
- Laser pointer

Wireless Presenter	**No. 7462000001**

Technical data

Product	Remote Point Jade	Global Presenter RF	Wireless Presenter
Range	up to 50 m	up to 30 m	up to 15 m
Frequency	2.4 Ghz	2.4 Ghz	2400 – 2483 MHz
Dimensions	160 x 38 x 27 mm	110 x 62 x 37 mm	130 x 38 x 21 mm
Weight	0.075 kg	0.140 kg	0.058 kg
Inferface	USB	USB	USB
Prerequisites	Windows 2000 or higher, Mac OSX 10.1 or higher, 1 free USB port	Windows 2000 or higher, Mac OSX 10.1 or higher, 1 free USB port	Windows 2000 or higher, Mac OSX 10.1 or higher, 1 free USB port
Supplied with	Sender and receiver, batteries, manual	Sender and receiver, batteries, manual	Sender and receiver, batteries, manual

Subject to technical alterations, as well as to changes of the design and the colour

The KINDERMANN rail system

More flexibility for your conference room

- High flexibility is guaranteed through an unlimited variety of combinations.
- The very sturdy and reliable construction allows easy and trouble free mounting in no time.
- The elegant flat design, only 7.2 cm high, fits to any room style.
- An extremely space-saving system, because one element can be moved over the other.
- A special safety device keeps the elements on the rail and allows you to move them smoothly.
- The integrated cable channel hides away the cables to the video shelf.

The components of the rail system

Projection walls

- Tiltable up to 20°
- Matt white reflective surface
- Suitable for use with "active" projectors and MultiMedia trolley
- Glider set with distance elements for upper rail

Projection wall	
150 x 150 cm	No. 4520000000
175 x 175 cm	No. 4520000001
150 x 200 cm	No. 4521000000
180 x 240 cm	No. 4521000001
115 x 200 cm (16:9)	No. 4521000200
138 x 240 cm (16:9)	No. 4521000201
Projection and writing board	
150 x 150 cm	No. 4522000000
150 x 200 cm	No. 4522000001
Projection and writing board, non-tiltable	
150 x 150 cm	No. 4522000002
150 x 200 cm	No. 4522000003
115 x 200 cm (16:9)	No. 4521000100
138 x 240 cm (16:9)	No. 4521000101

Writing boards

- Enamelled magnetic surface
- For dry wipe Kindermann markers
- To be hung up in landscape or portrait format
- High-quality anodized aluminium frame
- With pen tray
- Glider set with distance elements for upper and lower rail
- Board surface in white or light grey

90 x 120 cm, white	No. 4510000000
90 x 120 cm, light grey	No. 4510000001
90 x 180 cm, white	No. 4511000000
90 x 180 cm, light grey	No. 4511000001

Flip chart

- With universal quick change for all common paper pads
- Magnetic writing surface
- Integrated pen tray
- High-quality anodized aluminium frame
- Glider set with distance elements for upper and lower rail
- Size 80 x 108 cm
- Also available as tiltable version for writing on it more easily!

Flip chart	No. 4525000000
Flip chart, tiltable	No. 4525000100

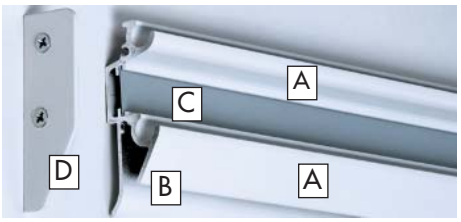
Subject to technical alterations, as well as to changes of the design and the colour

- High quality anodized aluminium frame
- All elements of the system can also go round the corner.

Please note:
Other sizes and versions of components available on demand.

Wall rail

- Sturdy anodized aluminium rail
- Double rail
- With grey decor strip
- With paper clamping device on whole length
- Rails only 7.2 cm high
- Two side covers with stop function
- Other lengths up to 5 m on demand



Cross section double rail

Rails (A), paper clamping device (B), cable channel with dècor strip (C), side cover (D)

One element can be moved over the other.

Pin boards

- Decor felt surface for easy pinning
- In light-blue or linen colour
- In black with magnetic grid surface
- For landscape or portrait format
- Glider set with distance elements for upper and lower rail
- Size: 90 x 120 cm

Pin board, light-blue	**No. 4515000000**
Pin board, linen colour	**No. 4515000001**
Pin board, black with magnetic grid surface	**No. 4517000000**

Magazine rack

- 7 shelves for A4 size
- High-quality acrylic glass
- Glider set with distance elements for upper and lower rail
- Dim.: 27 x 10 x 100 cm

Magazine rack	**No. 4508000000**

Wardrobe

- High-quality metal frame, anodized aluminium
- Glider set with distance elemtns for upper and lower rail
- Dim.: 90 x 31 x 30 cm

Wardrobe	**No. 4507000000**

Single rail	
1 meter	**No. 4491000000**
2 meters	**No. 4492000000**
3 meters	**No. 4493000000**
4 meters	**No. 4494000000**
5 meters	**No. 4495000000**
Double rail	
1 meter	**No. 4496000000**
2 meters	**No. 4500000000**
3 meters	**No. 4501000000**
4 meters	**No. 4503000000**
5 meters	**No. 4504000000**

Optional accessories

Clamp system, magnetic, for flip chart	**No. 4497000000**
Glider set for rail system, short	**No. 4498000000**
Glider set for rail system, long	**No. 4499000000**
Corner section	**No. 4502000000**
Extra rail for wall protection, 2 m, height 43 mm	**No. 4506000000**

Subject to technical alterations, as well as to changes of the design and the colour

The proper guideline for large-screen projection

How to choose the proper type of screen

Which screen is to be preferred first of all depends on the application. For frequent shows in the same location a wall or ceiling screen – manually or electrically operated, with or without frame – should be considered.
For shows in different locations a tripod screen resp. a portabe screen is the better solution.

electrical – installed

manual – installed

framed screen

tripod – mobile

How to choose the proper picture format

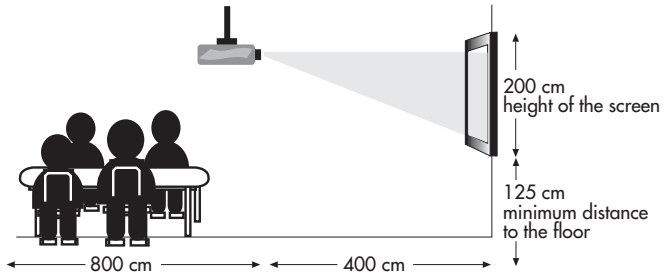
Standard format
for overhead or slide projection
1:1

Video format
for video presentations or TV
4:3

Home cinema format
for DVD or HDTV
16:9

How to choose the proper height of the screen (4:3)

- **Height of the screen**
  = one sixth of its distance to the last row of seats
- **Distance between the screen and the first row of seats**
  = height of the screen x 1.5
- **Minimum distance between the screen bottom and the floor**
  = 0.60 – 0.90 m for home cinema use
  > 1.25 m if the audience is sitting
  > 1.60 m if the audience is standing



How to choose the proper light output of the projector

The light intensity reflected by the projection screen is measured in lux. For an optimal picture quality the ratio between the lux value of the projected image and that of the room light should be at least 5:1, or even better >10:1.

As a thumb rule the normal room light in conference rooms is 80 – 100 lux.

The light intensity reflected by the screen should then be >500 lux.

$$\text{Lux} = \frac{\text{Lumens (ANSI) projector}}{\text{wall surface in sqm}} \times \text{reflection value}$$

Lux = 100 slightly lit room

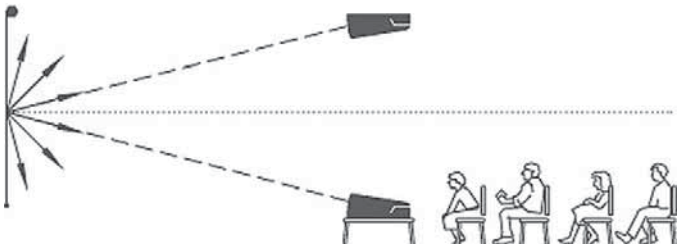
Lux = 400 normally lit room

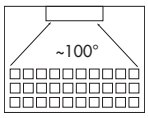
Subject to technical alterations, as well as to changes of the design and the colour

How to choose the proper screen fabrics

Matt white – Datex/R – HighContrast/S

Matt white – The screen fabric matt white is undoubtedly the first choice and guarantees bright, natural colours without a loss of intensity.

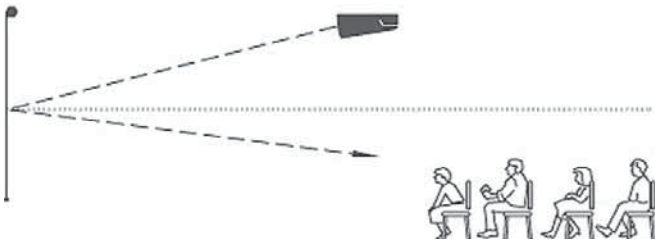


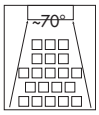


- Ideal viewing angle 80 – 100°
- Gain factor 1
- For lecture rooms in which the ambient light can be easily controlled

Datalux

The screen fabric datalux was developed for special applications that required a higher reflection value and a smaller viewing angle. It is ideal for projection from the ceiling.





Available screen fabrics

Screen fabrics	Reflection value	Viewing angle	Weight per sqm	Thickness mm	Used in
Matt white/S	1.0	100°	425	0.34	Installation/Mobile
Matt white/M	1.0	100°	1350	0.95	Installation
Matt white/ML	1.0	100°	1350	0.95	Elpro Large
Matt white/D	1.0	100°	490	0.26	FastFold
Matt white/P	1.0	100°	480	0.45	Home Screen
Matt white/W	1.1	80°	900	0.65	Cineroll Electric (professional)
Matt white/WP	1.1	80°	500	0.35	Cineflex Electric IR
Matt white/WF	1.1	80°	600	0.35	Cinelux Mobil 2
Matt white/WD	1.1	80°	350	0.27	Cinelux Compact Mono
Matt white	1.0	100°	450	0.35	Porter
Datex/R	1.8	60°	490	0.26	Fastfold/Home Screen
Datalux/F	2.2	70°	160	0.11	Table-/LiteScreen
Datalux/S	1.5	70°	425	0.35	Installation/Mobile

Characteristics screen fabrics MW/W

- High-quality fibre glass with therm plastic coating on both sides.
- Conforms with all fire safety regulations according to DIN 4102-B1.
- Black, light-proof rear side.
- Special protective coating of the surface.

Characteristics screen fabrics MW/M

- Double-sided vinyl on glass fibre.
- Conforms with all fire safety regulations according to DIN 4102-1 (B1).
- Black, light-proof rear side.
- The high quality of the fabrics guarantees an absolutely flat screen surface.

Easy Install

The variable and flexible Easy Install system makes the installation of projection screens even easier and more comfortable.

This also saves time and installation costs.

Easy and comfortable

First two brackets are fixed on the wall or ceiling. Then the screen is inserted in the brackets and secured with screws. Even large screens can be easily mounted like this.

Flexible installation

The position of the mounting elements does no longer depend on the width of the screen. The mounting brackets can be fixed on the wall or ceiling in a distance of up to 50 cm from both edges of the screen.

Plug & play accessories

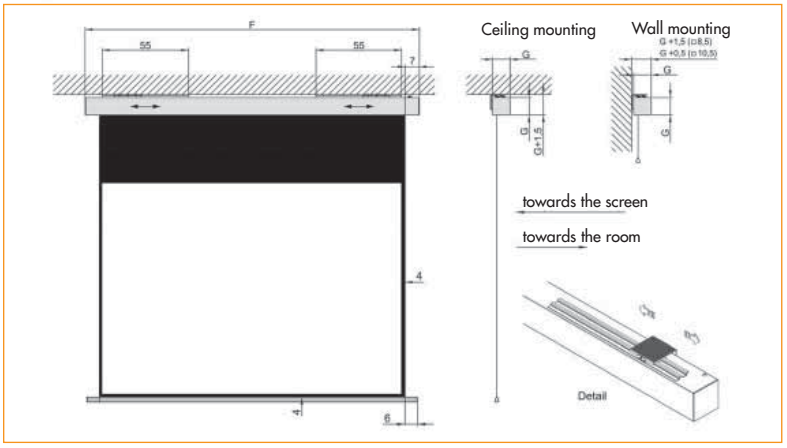
The plug & play accessories enable every user to install an electrical screen: Just put the plug into the socket of the screen, and the cover on the wiring, and the screen is ready to use.

Subject to technical alterations, as well as to changes of the design and the colour

Cineroll Electric

The professional installation screen

- Four-sided metal casing
- No visible screws on the casing of the screen
- Vario mounting system for direct wall or ceiling mounting
- Supplied with in-wall switch



Overall dimensions	Screen size	Dim. in cm/see illustration		Screen fabrics	Ref. No.
		F	G		
Format 1:1					
180 x 180 cm	180 x 180 cm	194	8,5	Matt white/W	7413000000
200 x 200 cm	200 x 200 cm	214	8,5	Matt white/W	7413000001
250 x 250 cm	250 x 250 cm	264	10,5	Matt white/W	7413000008
300 x 300 cm	300 x 300 cm	314	10,5	Matt white/W	7413000003
Format 4:3					
135 x 180 cm	129 x 172 cm	194	8,5	Matt white/W	7413000004
150 x 200 cm	144 x 192 cm	214	8,5	Matt white/W	7413000005
180 x 240 cm	174 x 232 cm	254	8,5	Matt white/W	7413000006
225 x 300 cm	219 x 292 cm	314	10,5	Matt white/W	7413000007

Casing

for Cineroll Electric

- Casing made of 1.5 mm steel
- Mounting of the casing with 4 brackets (Ref. No. 5941000001)
- Mounting of the screen on 2 bolts
- Easy maintenance

Casing	
Width	Ref. No.
180 cm	7413000040
200 cm	7413000041
240 cm	7413000042
250 cm	7413000044
300 cm	7413000043

Installation frame (L profile)

for Cineroll Electric

Frame for inserting the cutout of the false ceiling, which covers the casing of the screen

- The size of the profile is 2.5 cm x 2.5 cm
- Removable caps on the two ends of the screen for easy maintenance
- Modular system, double screws for separating the casing of the screen from the installation frame
- No expert needed for maintenance

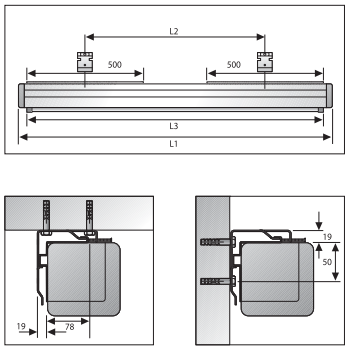
Installation frame (L profile)	
Width	Ref. No.
180 cm	7413000031
200 cm	7413000032
240 cm	7413000033
250 cm	7413000034
300 cm	7413000035

Subject to technical alterations, as well as to changes of the design and the colour

Elpro electrol

The professional electrical screen

- Wide range of optional plug & play accessories, for installation without electrician
- Easy installation on wall and ceiling
- Easy programming of stop position
- Perfectly flat projection screen
- Also available in 16:9 or 16:10 format
- Also available in sizes up to 5 m width (as model Elpro large electrol)



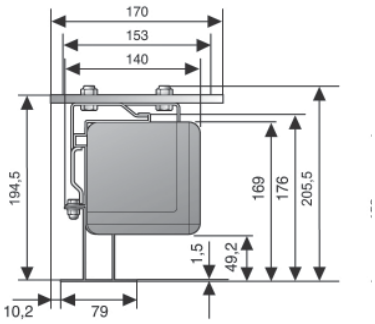
Overall dimensions	Screen size	Dim. in cm/see illustration			Screen fabrics	Ref. No.
		L1	L2	L3		
Format 1:1						
180 x 180 cm	173 x 173 cm	1915	929 – 1729	1820	Matt white/M	5927000000
200 x 200 cm	195 x 195 cm	2135	1149 – 1949	2040	Matt white/M	5928000000
240 x 240 cm	230 x 230 cm	2535	1549 – 2349	2440	Matt white/M	5973000000
300 x 300 cm	290 x 290 cm	3135	2149 – 2949	3040	Matt white/M	5931000000
Format 4:3						
138 x 180 cm	126 x 168 cm	1915	929 – 1729	1820	Matt white/M	5980000000
153 x 200 cm	143 x 190 cm	2135	1149 – 1949	2040	Matt white/M	5939000000
183 x 240 cm	173 x 230 cm	2535	1549 – 2349	2440	Matt white/M	5972000000
228 x 300 cm	218 x 290 cm	3135	2149 – 2949	3040	Matt white/M	5940000000

Installation frame

for Elpro Electrol

- L profile for inserting the false ceiling, 2.5 cm wide, 5 cm high
- Easy installation, no changes of the casing required

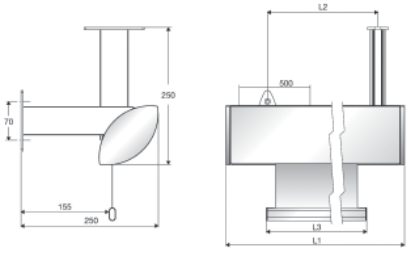
Screen width	Cutout od ceiling	Ref. No.
180 cm	40 x 1865 mm	5940000031
200 cm	40 x 2085 mm	5940000032
240 cm	40 x 2485 mm	5940000033
300 cm	40 x 3085 mm	5940000035



Concept Plus Electrol

The screen with the special mounting concept

- Well-designed model and distance elements for off-wall mounting
- Optionally also available in white
- Side elements and decor strips optionally available in other colours or in wood



Overall dimensions	Screen size	Dim. in mm/see illustration			Screen fabrics	Ref. No.
		L1	L2	L3		
Format 4:3						
138 x 180 cm	126 x 168 cm	1957	907 – 1907	1814	Matt white/S	6001000000
153 x 200 cm	143 x 190 cm	2177	1127 – 2177	2034	Matt white/S	6001000001
183 x 240 cm	173 x 230 cm	2577	1527 – 2527	2434	Matt white/S	6001000003
Format 16:10						
115 x 180 cm	105 x 170 cm	1957	907 – 1907	1814	Matt white/S	6001000005
129 x 200 cm	119 x 190 cm	2177	1127 – 2177	2034	Matt white/S	6001000006
154 x 240 cm	144 x 230 cm	2577	1527 – 2527	2434	Matt white/S	6001000008

Subject to technical alterations, as well as to changes of the design and the colour

Compact electrol

The efficient economy screen

- Easy wall and ceiling mounting through integrated mounting kit
- Low-noise motor
- 3 m connection and on-wall switch
- Custom-made versions available on demand

Cineflex Electric IR

The well-designed electrical screen

- High-quality aluminium casing, silver
- Plug connection for plug & play: power supply via mains plug
- IR remote control with external receiver
- Supplied with brackets for direct mounting on wall or ceiling

Compact electrol

Overall dimensions	Screen size	Screen fabrics	Ref. No.
Format 1:1			
160 x 160 cm	151 x 151 cm	Matt white/S	7400000000
180 x 180 cm	173 x 173 cm	Matt white/S	7400000001
200 x 200 cm	195 x 195 cm	Matt white/S	7400000002
240 x 240 cm	230 x 230 cm	Matt white/S	7400000003
Format 4:3			
123 x 160 cm	110 x 146 cm	Matt white/S	7400000004
138 x 180 cm	126 x 168 cm	Matt white/S	7400000005
153 x 200 cm	143 x 190 cm	Matt white/S	7400000006
183 x 240 cm	173 x 230 cm	Matt white/S	7400000007

Cineflex Electric IR

Overall dimensions	Screen size	Screen fabrics	Ref. No.
Format 1:1			
180 x 180 cm	180 x 180 cm	Matt white/WP	7434000007
200 x 200 cm	200 x 200 cm	Matt white/WP	7434000008
240 x 240 cm	240 x 240 cm	Matt white/WP	7434000009
Format 4:3			
135 x 180 cm	129 x 172 cm	Matt white/WP	7434000000
150 x 200 cm	144 x 192 cm	Matt white/WP	7434000001
180 x 240 cm	174 x 232 cm	Matt white/WP	7434000002
Format 16:9			
112 x 200 cm	108 x 192 cm	Matt white/WP	7434000004
135 x 240 cm	131 x 232 cm	Matt white/WP	7434000005

Reality

The low-budget electrical screen

- Eight-sided metal casing
- Black frame
- Low-noise motor
- Supplied with IR remote control

Overall dimensions	Screen size	Screen fabrics	Ref. No.
Format 1:1			
ca. 208 x 232 cm	200 x 200 cm	Matt white	6929000000
ca. 248 x 272 cm	240 x 240 cm	Matt white	6929000001
ca. 308 x 332 cm	300 x 300 cm	Matt white	6929000002

Subject to technical alterations, as well as to changes of the design and the colour

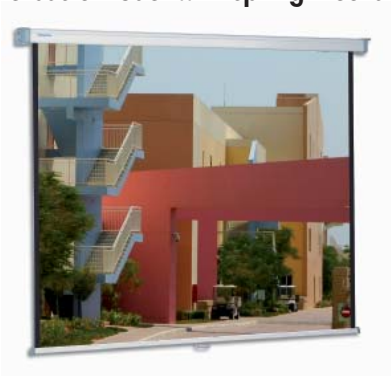
ProScreen

The high-quality model with spring mechanism

- Big rotary shaft for flat projection screen and powerful spring mechanism
- Controlled screen return, for slowing down the rolling up of the screen
- Easy wall or ceiling mounting through integrated mounting kit

Slim Screen (XL)

The basic model with spring mechanism



- Spring mechanism for hassle-free rolling of the screen
- Easy wall or ceiling mounting through integrated mounting kit

ProScreen

Overall dimensions	Screen size	Matt white/S	Matt white/S model CSR
Format 1:1			
180 x 180 cm	173 x 173 cm	No. 5950000000	No. 5950000005
200 x 200 cm	195 x 195 cm	No. 5951000000	No. 5951000005
240 x 240 cm	235 x 235 cm	No. 5952000000	No. 5952000005
Format 4:3			
138 x 180 cm	126 x 168 cm	No. 5950000001	No. 5953000005
153 x 200 cm	143 x 190 cm	No. 5955000000	No. 5955000005
183 x 240 cm	173 x 230 cm	No. 5956000000	No. 5956000005
213 x 280 cm	203 x 270 cm	No. 5962000000	

Slim Screen (XL)

Overall dimensions	Screen size	Matt white/S	Datalux/S
Format 1:1			
160 x 160 cm	151 x 151 cm	No. 5992000000	No. 5994000000
180 x 180 cm	173 x 173 cm	No. 5993000000	No. 5995000000
200 x 200 cm	195 x 195 cm	No. 5995000001	No. 5995000002
244x244 cm (XL)	234 x 234 cm	No. 5995000003	
Format 4:3			
123 x 160 cm	110 x 146 cm	No. 5996000000	No. 5998000000
138 x 180 cm	126 x 168 cm	No. 5997000000	No. 5999000000
153 x 200 cm	143 x 190 cm	No. 5999000001	No. 5999000002
185x244 cm (XL)	175 x 234 cm	No. 5999000003	

Cinerollo

The low-budget manual screen

- Easy mounting through integrated mounting kit
- Eight-sided metal casing
- Strong fabrics for flat projection screen

Overall dimensions	Screen size	Screen fabrics	Ref. No.
Format 1:1			
150 x 150 cm	150 x 150 cm	Matt white	6928000000
180 x 180 cm	180 x 180 cm	Matt white	6928000001
200 x 200 cm	200 x 200 cm	Matt white	6928000002
240 x 240 cm	240 x 240 cm	Matt white	6928000003

Subject to technical alterations, as well as to changes of the design and the colour

Pro View

The attractive economy tripod screen

- Easy to carry for universal use
- Easy to install
- Sturdy stand, tube bars, with integrated Keystone bracket

Standard

The tripod screen for the small budget

- Black metal case and tripod
- Mechanism for flat projection surface
- Low weight and compact design

Overall dimensions	Screen size	Screen fabrics	Ref. No.
Pro View Format 1:1			
125 x 125 cm	120 x 120 cm	Matt white/S	5920000000
160 x 160 cm	151 x 151 cm	Matt white/S	5921000000
180 x 180 cm	173 x 173 cm	Matt white/S	5922000000
Standard Format 1:1			
ca. 130 x 130 cm	125 x 125 cm	Matt white	6927000000
ca. 162 x 162 cm	155 x 155 cm	Matt white	6927000001
ca. 188 x 188 cm	180 x 180 cm	Matt white	6927000002

Pro Star

The top of the range tripod screen

- Extremely sturdy stand, square bars, with Keystone bracket
- Foot switch for easy folding of tripod
- Handle with integrated stop for easy height adjustment
- Screen formats adjustable 1:1 or 4:3

Overall dimensions	Screen size	Matt white/S	Datalux/S
Format 1:1			
180 x 180 cm	173 x 173 cm	No. 7401000000	No. 7401000001
200 x 200 cm	195 x 195 cm	No. 7401000002	No. 7401000003
240 x 240 cm	235 x 235 cm	No. 7401000004	No. 7401000005
Format 4:3			
138 x 180 cm	126 x 168 cm	No. 7401000006	No. 7401000007
153 x 200 cm	143 x 190 cm	No. 7401000008	No. 7401000009
183 x 240 cm	173 x 230 cm	No. 7401000010	No. 7401000011

Cinelux Compact Mono

The mobile economy screen

- V-shaped aluminium casing, black
- Easy and quick to set up
- Integrated deposit tray for pointer
- Stepless height adjustment

Overall dimensions	Screen size	Black bottom rim	Matt white/WD
Format 4:3			
120 x 160 cm	117 x 156 cm	68 cm	No. 7427000000
135 x 180 cm	132 x 176 cm	73 cm	No. 7427000001
150 x 200 cm	147 x 196 cm	58 cm	No. 7427000002

Cinelux Mobil 2

The overall flexible mobile screen

- Ready to use in no time due to concertina elements at the rear side
- Stepless adjustment
- Integrated transport handles and four castors for easy transport

Overall dimensions	Screen size	Black bottom rim	Matt white/WF
Format 1:1			
200 x 200 cm	196 x 196 cm	0 cm	No. 7427000013
Format 4:3			
135 x 180 cm	132 x 176 cm	59 cm	No. 7427000011
150 x 200 cm	147 x 196 cm	64 cm	No. 7427000012

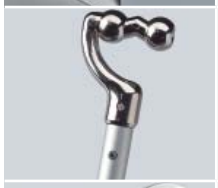
Subject to technical alterations, as well as to changes of the design and the colour

We offer more screens:

- models for ceiling integration
- models for electrical and manual operation
- models with tripod
- models for mobile use

For more information please see our website www.kindermann.com and our price list!

Accessories

Illustration	Item	Description	Length	Ref. No.
	Bracket for ceiling mounting	for Descender, Integrator, Elpro (large) electrol, Hapro manual, Cinelpro electrol	**100 cm, can be shortened**	**5941000000**
		for Cineroll Electric	**100 cm, can be shortened**	**5941000001**
		for Cineroll Professional Tension	**100 cm, can be shortened**	**5941000002**
		for Compact electrol, Pro Screen, Slim Screen, Pro Cinema, Cinema electrol	**100 cm, can be shortened**	**7411000000**
		for Jumbo	**100 cm, can be shortened**	**5941000003**
	Keystone bracket	for Descender, Integrator, Elpro electrol, Cinelpro, Compact electrol, Hapro manual, Pro Screen, ProCinema,	**75 cm** **30 cm**	**5942000000** **5942000004**
		for Elpro large electrol	**40 cm**	**5942000001**
		for Slim Screen (nicht XL-Version)	**57 cm**	**5942000002**
		for Cineroll Electric, Cineroll Professional Tension	**40 cm**	**5942000003**
	Bracket for casing	for mounting Easy Install screens in false ceilings		**5943000001**
	**Pull rod**	for all manually operated screens	**125 cm**	**5959000000**
	Radio remote control	with wireless switch and mobile sender, up to 30 m distance for all electrical screens		**5944000000**
	Key switch	for all electrical screens		**5944000001**

Accessories for Easy Install screens

Illustration	Item	Description	Length of power cable	Ref. No.
	Power cable with switch	Connection cable for plug & play with integrated on/off switch and mains plug	**5 m**	**5944000010**
	Radio remote control	Plug & play with receiver, 4-channel remote, 5 m power cable with mains plug, range up to 30 m	**5 m**	**5944000011**
	IR remote control	Plug & play with receiver, remote, 5 m power cable with mains plug, range up to 7 m	**5 m**	**5944000012**
	12 V relay box	Plug & play, for controlling screens via relay output of a media control, 5 m power cable with mains plug	**5 m**	**5944000014**

Universal projector mounting kits for ceiling and wall mounting

KINDERMANN offers a wide range of projector mounts for the ceiling, the wall, the floor, and even for sloping ceilings. Custom-made versions are available up to 300 cm column length.

Universal + patented
The variable spider is suitable for nearly all projectors with drill-holes on the bottom.

2D joint
For tilting the projector in two dimensions.

3D joint / 3D ball-point joint
For tilting, swivelling and rotating the projector in three dimensions.

Certified safety:
- Weight capacity
- Durability
- Easy handling

Warranty
5 years

Easy and quick monting
Due to pre-assembled elements

Choice of colour
The scratch-resistant coated projector mounts are available in two colours.

KINDERMANN Home Cinema CT

Small, flat and inexpensive

Features / technical data	
Can hold up to	10 kg
3D joint	for tilting the projector ± 12° in all directions, rotates 180°
With screws	M3 / M4 / M5
Distance of drill-holes	120 – 350 mm
Supplied in small box	only 8 x 6.5 x 21 cm

Fixing points: max. distance

Can hold

Can tilt

Can rotate

Ceiling mount	Colour	Distance ceiling/projector	Ref. No.
Home Cinema CT	metallic silver, RAL 9006	7 cm	7419000000

Subject to technical alterations, as well as to changes of the design and the colour

KINDERMANN Eco Plus line

NEW!

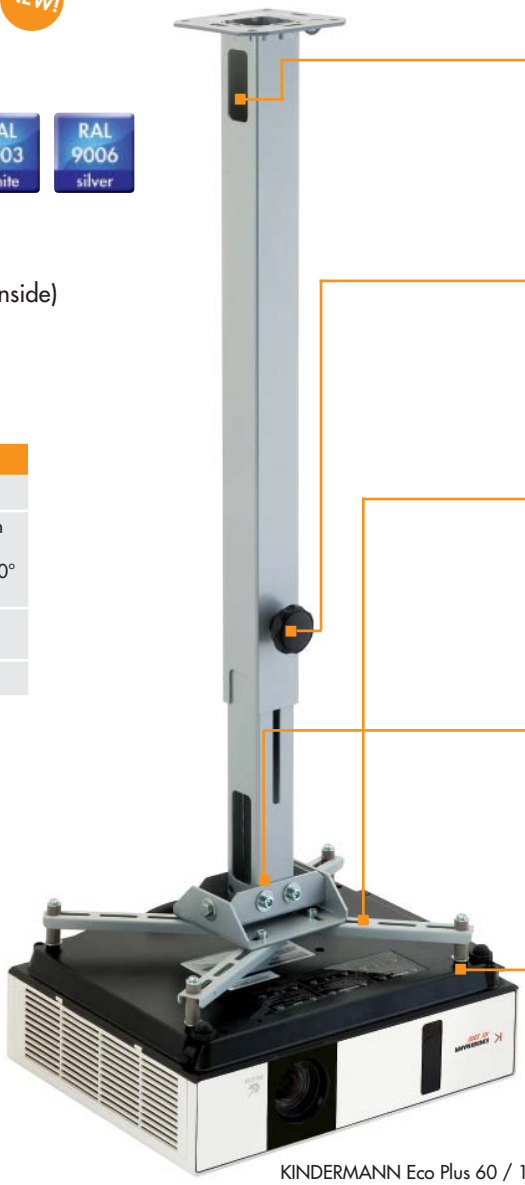
Low price – for universal use

2D · GS LGA · UNI · 5 years warranty · RAL 9003 white · RAL 9006 silver

- Stepless height adjustment
- Integrated cable channel (36 x3 6 mm inside)
- Scratch-resistant coating
- Easy mounting, partially pre-assembled

Features / technical data	
Can hold up to	15 kg
2D joint	for tilting the projector in 2 directions, up to ± 20° vertically and ± 10° horizontally
With screws	M3 / M4 / M5 / M6 and distance elements
Fixing points	138 – 378 mm

KINDERMANN Eco



KINDERMANN Eco Plus 60 / 100 / 150

- Integrated cable channel

- Stepless height adjustment

- Adjustable arms (patented)

- Joint for tilting the unit in 2 directions

- Various distance elements for height adjustment

Ceiling mounts	Colour	Distance projector/ceiling	Ref. No.
KINDERMANN Eco	metallic silver, RAL 9006	11 cm	**5878000000**
	white, RAL 9003		**5878000010**
KINDERMANN Eco Plus 60	metallic silver, RAL 9006	stepless from 40 – 65 cm	**7420000100**
	white, RAL 9003		**7420000110**
KINDERMANN Eco Plus 100	metallic silver, RAL 9006	stepless from 60 – 105 cm	**5877000100**
	white, RAL 9003		**5877000110**
KINDERMANN Eco Plus 150	metallic silver, RAL 9006	stepless from 104 – 150 cm	**7440000100**
	white, RAL 9003		**7440000110**

Accessories for projector mounts (Eco line, Comfort line, Professional line)

Illustration	Item	Description	Ref. No.
	Carrying tray	For projectors or other equipment ■ Surface 32 x 32 cm ■ Max. height 16 cm ■ Suitable for Eco and Pro mounts ■ Can be mounted directly on the ceiling	**5879000000**
	"U" bracket	Universal bracket for projectors without drill-holes. Can hold projectors ■ Up to 10 cm height and 25 cm width ■ Up to 4 kg weight ■ Only in combination with mounts	**5882000000**
	Holding bracket	Set of 2 clamps for fixing the mount on tube-shaped supports (truss) with max. 30-70 mm ø	**5873000000**

KINDERMANN Comfort Line

Modern and elegant design

- Fully pre-mounted for quick installation
- Integrated cable channel
- Quick exchange of projector, e.g. for servicing
- Supplied with cover for covering the ceiling mounting plate or the cutout in case of false ceilings (outer ø 142 mm)
- Crash-protection in the interior of the telescope tube
- For all Comfort mounts with height-adjustment an additional cover is available on option for covering the ceiling cutout around the lower telescope tube (see accessories, ref. no. 7429000003)

Features / technical data	
Can hold up to	20 kg
3D joint	for tilting the projector ± 20° in all directions, rotates 360°
Diameter of telescope tube	ø 37 mm
With screws	M3 / M4 / M5 / M6 and distance elements
Fixing points	138 – 370 mm

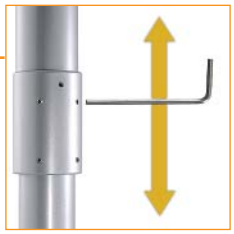
KINDERMANN Comfort 30

KINDERMANN Comfort 60/100, extendable

- Cover for the mounting plate or the cutout of the ceiling

- Integrated cable channel
- Integrated crash protection

- Stepless telescopic height adjustment



- Joint for tilting the projector in all directions

- Adjustable distance elements

- Quick exchange of projector

Ceiling mounts	Colour	Distance projector/ceiling	Ref. No.
KINDERMANN Comfort	metallic silver, RAL 9006	12 cm	**7436000000**
	white, RAL 9003		**7436000010**
KINDERMANN Comfort 30	metallic silver, RAL 9006	30 cm	**7436000001**
	white, RAL 9003		**7436000011**
KINDERMANN Comfort 60	metallic silver, RAL 9006	stepless from 45 - 21 cm	**7437000000**
	white, RAL 9003		**7437000010**
KINDERMANN Comfort 100	metallic silver, RAL 9006	stepless from 65 - 100 cm	**7438000000**
	white, RAL 9003		**7438000010**

Accessories

Item	Description	Ref. No.
Cover	for covering the cutout of the ceiling around the lower telescope tube, white, RAL 9003	**7429000003**

Subject to technical alterations, as well as to changes of the design and the colour

KINDERMANN Professional line

Meets any demand

- Fully pre-assembled (except No. 5886000100) for easy mounting
- Stepless telescopic height adjustment (No. 5883000xxx)
- Supplied with external cable channel (40 x 20 mm)
- Quick exchange of projector, e.g. for servicing
- Anodized aluminium column
- Variable adjustable mounting plate for sloping ceilings up to 45°
- Custom-made version possible on demand, up to 300 cm column length

Features / technical data	
Can hold up to	25 kg
Ball-point joint	for tilting the projector ± 20° in all directions, rotates 360° (No. 5886000100 depending on the projector dimensions)
With screws	M3 / M4 / M5 / M6 and distance elements
Fixing points	138 – 378 mm

KINDERMANN Pro

KINDERMANN Pro C 60

KINDERMANN Pro 60–200, extendable

- Adjustable for sloping ceiling up to 45°

- Supplied with cover

- Supplied with cable channel

- Pro 200 supplied with safety rope

- Adjustable arms and adjustable distance elements

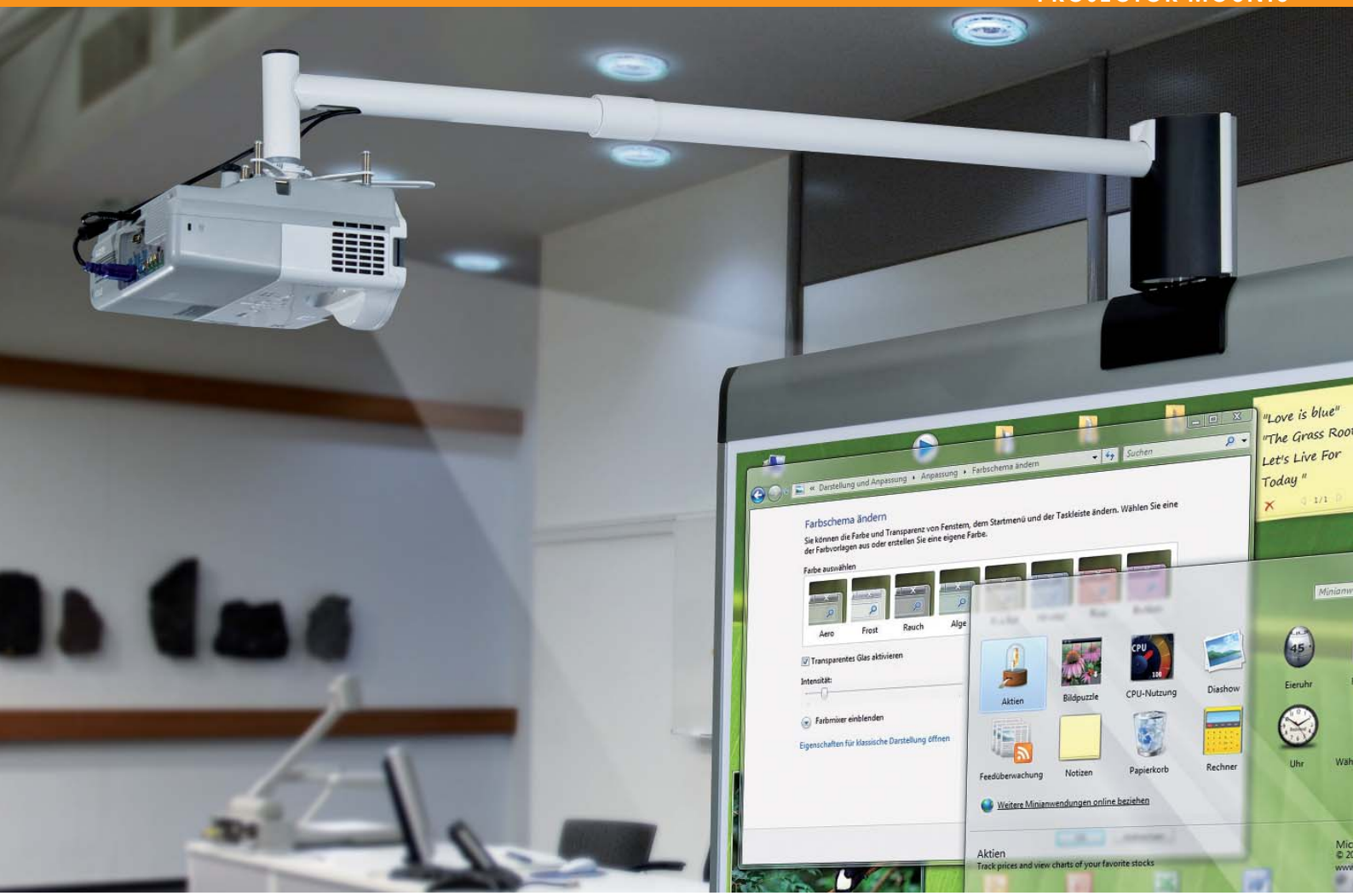
- Ball-point joint for tilting the projector in all directions
- Quick projector exchange

Ceiling mounts	Colour	Distance projector/ceiling	Ref. No.
KINDERMANN Pro	coated aluminium / RAL 9006	13 cm	**5880000100**
KINDERMANN Pro C 60	coated aluminium / RAL 9006	stepless from 20 – 60 cm	**5886000100**
KINDERMANN Pro 60	coated aluminium / RAL 9006	stepless from 45 – 60 cm	**5883000110**
KINDERMANN Pro 100	coated aluminium / RAL 9006	stepless from 60 – 100 cm	**5883000100**
KINDERMANN Pro 150	coated aluminium / RAL 9006	stepless from 91 – 150 cm	**5883000120**
KINDERMANN Pro 200	coated aluminium / RAL 9006	stepless from 115 – 200 cm	**5883000130**

Accessories

Item	Description	Ref. No.
Projektor arm	Additional arm for mounting another projector on No. 5886000100, with joint and spider arms	**5886000200**
Cover plate	For covering the mounting plate of the height-adjustable Pro mounts, consists of 2 parts, with perforated cable outlet	**7429000001**
Set of longer spider arms for large projectors	e.g. Sanyo XP series, max. distance of the drill-holes on the projector 493 mm	**5883000001**
Cable channel Pro	coated aluminium, 40 x 40 x 500 mm, incl. adhesive tape	**5884000000**

Subject to technical alterations, as well as to changes of the design and the colour



KINDERMANN Comfort W 140

Wall mount for projectors

- With plastic cover for concealed cable outlet
- Integrated cable channel
- Upright mounting of projector possible
- Quick exchange joint for easy exchange of the projector

Features / technical data	
Can hold up to	10 kg
3D joint	for tilting the projector ± 20° in all directions, rotates 360°
With screws	M3 / M4 / M5 / M6 and distance elements
Fixing points	138 – 370 mm

Mounting material:

Wall mount	Colour	Distance projector/wall	Ref. No.
KINDERMANN Comfort W 140	metallic silver, RAL 9006	stepless from 88 – 140 cm	7439000100
	white, RAL 9003		7439000110

Subject to technical alterations, as well as to changes of the design and the colour

KINDERMANN Pro W / Pro W 100

Wall mounts for projectors

- Quick exchange joint for easy exchange of the projector
- Custom-made version available on demand, up to 2 m column length (Pro W 100)
- Pro W 100 supplied with safety rope

Features/technical data	Pro W 100	Pro W
Distance to wall	51 – 86 cm	20.5 – 29.5 cm
Can hold up to	25 kg	25 kg
Ball-point joint	for tilting the projector ± 20° in all directions, rotates 360°	
With screws	M3 / M4 / M5 / M6 and distance elements	
Fixing points	138 – 378 mm	

KINDERMANN Pro W

Wall mounts	Colour	Distance projector/wall	Ref. No.
KINDERMANN Pro W	metallic silver / RAL 9006	stepless from 20.5 - 29.5 cm	5889000100
KINDERMANN Pro W 100	coated aluminium / RAL 9006	stepless from 51 - 86 cm	7421000100

KINDERMANN Pro W ST

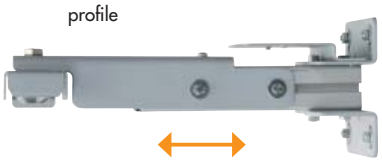
Special mount for SANYO PLC XL 50/51

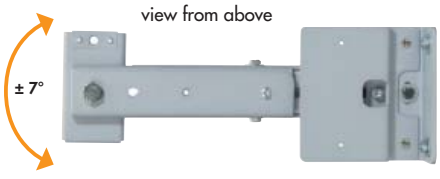
Flat high-quality mount, especially designed for the short throw projector SANYO PLC XL 50/51.
Due to the sophisticated design the image can be projected on a screen or an interactive board. The mount can also be fixed on the floor or on a desktop.

- Pre-assembled unit, incl. drill jig and screws for easy mounting
- Quick exchange of projector, for easy mounting
- Profiles made of anodized aluminium
- Supplied with white cover

Features / technical data	
Image diagonal	60" – 80" If the image diagonal is 60", the aluminium profile must be shortened by 40 mm
Mounting tolerance	Horizontal adjustment ± 4 cm max.
Aluminium joint	for tilting the projector in all directions up to ± 7°
With screws	

profile





view from above

Projector mount	Colour	Ref. No.
KINDERMANN Pro W ST	metallic silver, RAL 9006	7463000000

KINDERMANN Comfort Turn 60

Motorized rotating ceiling mount

The Comfort Turn 60 is a motorized ceiling mount for quickly rotating projectors. Press a button and a motor integrated in the column rotates the holder up to 240 °. The two selectable stop positions can be programmed.

The Comfort Turn 60 is the ideal solution for multi-purpose conference rooms. It is e.g. possible to make presentations on two screens on opposing walls, and only one projector will do.

- Electrically operated ceiling mount for quickly rotating a projector
- Two selectable stop positions
- Fully pre-assembled, trouble-free mounting
- Crash-protection in the interior of the telescope tube
- Supplied with power supply
- 2-pin switch for Comfort Turn 60 (see accessories)

Features / technical data	
Max. rotation	240°
Can hold up to	20 kg
Tolerance for positioning projectors	max. ± 5 mm
Power supply	5 V DC / 6 W
Aluminium ball-point joint	for tilting the projector in all directions up to ± 20° rotates ± 180°
With screws	M3 / M4 / M5 / M6

Ceiling mount	Colour	Distance projector/ceiling	Ref. No.
Comfort Turn 60	metallic silver, RAL 9006, coated	stepless from 49 – 65 cm	**7457000000**
2-pin switch for Comfort Turn 60			**5944000005**

Flight Frame

Holder for professional data/video projectors

- For mounting large and heavy projectors, e.g. Sanyo XF 47, in standing or hanging position
- Max. Projector weight: 75 kg
- Fixing of the projector through its drill-holes at the bottom of the housing on 3 movable carrying rails (pre-made long holes suitable for many projectors)
- To be hung up at four hooks or fixed to the ceiling mount No. 6360000001
- Weight of Flight Frame: ca. 15 kg

Projector mount	Colour	Dimensions	Ref. No.
Flight Frame	metallic silver, RAL 9006	max. projector size 72 x 62 x 31 cm	**6360000010**
Ceiling mount for Flight Frame	metallic silver, RAL 9006	height-adjustable 65 – 100 cm in 5 cm steps, with joint for horizontal and vertical tilting ± 5 °	**6360000001**

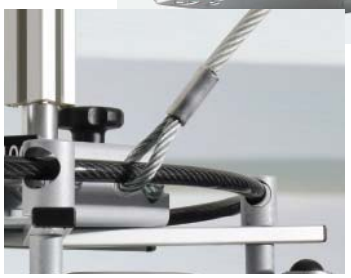
Subject to technical alterations, as well as to changes of the design and the colour

Anti-theft device

- Anti-theft device for notebooks, projectors, etc., with security lock slot
- Plastic coated steel rope
- Length 1.5 mm
- Diameter 4 mm
- Version with identical key code available, No. 5775000001

Anti-theft device	No. 5775000000

The two-element anti-theft device effectively protects projectors which are fixed to a ceiling mount against unauthorized removal. The system is compatible with all KINDERMANN ceiling mounts and can be installed later.



- A high-quality "ABUS" safety rope with lock (rope of 11 mm diameter) makes it impossible to disconnect the projector from the holder.
- A special safety rope, 95 cm long, additionally secures the projector holder on the ceiling.

Anti-theft device	No. 7426000000

Accoustic anti-theft device

NEW!

Sonic Shock is an alarm system, which is attached to projectors, displays, computers, etc., with contact glue. The alarm is triggered off when severing the sensor cable, and reaches an alarm of 117 dB. With the alarm on, the battery is good for about 2 hours.

- 117 dB alarm
- Longlife battery, must be exchanged only after 4 – 5 years or after an alarm
- Exchangeable locks, available with identical key code on demand
- Mounting: contact glue, can hold up to 211 kg / cm^2 on metal and most types of plastic
- Sonic Shock supplied with base plate, sensor cable, two keys, 9 V battery, contact glue, installation manual
- Size: 50 x 97 x 35 mm

Sonic Shock	No. 7425000020

The accoustic anti-theft device with built-in shock sensor triggers off the alarm in two stages, when severing the steel rope or when moving the lock.

- 4-digit digital lock
- Can be easily attached to bags or to a security lock slot

- Self-winding corrosion-free steel rope (0.9 m long), plastic coated, 2.4 mm diameter
- 105 dB alarm
- 9 V battery – battery life ca. 3 months
- Weight: 0.170 kg

Accoustic anti-theft device	No. 7425000000

Safety cages against theft and vandalism

The sturdy cage made of 1 mm thick punched metal sheets effectively protects projectors against theft and vandalism. The opening for the lens is covered by a glass pane.

- With camlock
- Can be fitted to all KINDERMANN ceiling mounts with height adjustment, except No. 5886000100, even later

Projector Safe

The housing of the well-designed octagonal projector safe protects the projectors against theft and vandalism in public buildings, schools, universities and entrance halls.

The housing which is made of punched metal sheets and completely closed by a glass pane, does not need any ventilation. It is secured by a high-quality camlock (Burg), an additional padlock can be installed.

- Can be fitted to all KINDERMANN ceiling mounts with height adjustment, except No. 5886000100, even later

	Safety cage	Projector Safe	Projector Safe XL	Projector Safe XL Wide
Ref. No.	7426000001	7426000002	7426000003	7426000004
Size of housing	47 x 45 x 30 cm	45 x 44.5 x 29.5 cm	60 x 44,5 x 29.5 cm	45 x 62.5 x 29.5 cm
Max. projector size	37 x 37 x 15 cm	40 x 40 x 16 cm	55 x 40 x 16 cm	40 x 60 x 17 cm
Colour	RAL 9003 – scratch-free coating			
Weight	8.2 kg	8.5 kg	9.5 kg	13 kg

Subject to technical alterations, as well as to changes of the design and the colour

KINDERMANN Ceiling lifts

Ceiling lifts allow you to install your data/video projector in a false ceiling or a conference room.

If not in use, the projector is hidden behind the panelling of the ceiling and thus protected against theft. Press the button and the projector is lowered and ready for use.

The upward position of the projector as well as its position in the projection mode is fixed and permanently stored via a programming unit when the ceiling lift is installed. A safety switch stops the lift on its way down when hitting an obstacle. The lift can be operated by up/down switch, remote or media control.

Quality made in Germany
by KINDERMANN

Certified safety:
- Durability proved by long-term testing
- Endurance test with double load
- Free of electro-magnetic interferences
- Corrosion resistant

Subject to technical alterations, as well as to changes of the design and the colour

KINDERMANN Ceiling lifts Compact 80 / 120

Compact ceiling lift with minimum installation height

The KINDERMANN ceiling lift Compact is extremely flat. For projectors of not more than 6.5 cm height a false ceiling of 12 cm (Compact 80) or 14 cm (Compact 120) is sufficient.

The Compact lift is easy to mount and its mounting frame fits into nearly any false ceiling with standardized ceiling elements of 60 x 60 cm.

An integrated safety switch stops the lift on its way down when hitting an obstacle.

A power supply for the projector is pre-installed. A spiral cable guide guarantees safe power and data supply. There is a 4-pin connection control for mains and up and down control.

The position of the projector can be easily fixed via a separate programming unit (optional accessory No. 7466000100 or No. 7466000101).

- Lifting range up to 120 cm
- Max. projector weight 20 kg
- Super flat universal projector holder
- Installation height > 12 cm
- Sturdy construction
- Easy mounting

Ceiling lift Compact 80

Ceiling lift Compact 120

For installation details, dimensions etc. see our website: www.kindermann.com

Technial data

	Ceiling lift Compact 80	Ceiling lift Compact120
Ref. No	**7466000000**	**7466000001**
Installation	6 cm + projector height, min. 12 cm	8 cm + projector height, min. 14 cm
Projector mounting	universal projector mount (fixing points 75 – 370 mm)	
Lifting range	up to 80 cm	up to 120 cm
Weight of lift	24 kg (without projector)	26 kg (without projector)
Projector size	max. 47 x 56 cm	
Projector weight	max. 20 kg	
Voltage	230 V, 50 Hz	
Connection	4-pin cable (up/down/PE/N)	
Required ceiling space	69 x 73 cm	
Cutout of ceiling	60 x 50 cm	
Ceiling plate	not supplied, see accessories	
Colour	metallic silver, coated, (RAL 9006)	

Accessories for ceiling lifts Compacts 80 / 120 (see page 57 for more accessories)

Illustration	Item	Description	Ref. No.
	Ceiling plate Standard	550 x 650 mm for covering the ceiling, white (RAL 9003)	**7466000011**
	Ceiling plate with T profile	for invisible mounting, integration of the ceiling cutout (500 x 600 mm) in the lift, white (RAL 9003)	**7466000010**
	Metal panelling	for visible mounting of the lift on the ceiling, 4 parts, height ca. 35 cm, white (RAL 9003)	**7466000020**

KINDERMANN Ceiling lifts Pro 120 / 250 • Pro XL 120 / XL 250

Professional low-noise ceiling lifts

The ceiling lift Pro is easy to mount and requires a cutout of the ceiling of min. 74 x 54 cm. An optional side panelling is available (No. 7465000010) for mounting the lift directly on the ceiling.

The ceiling lift Pro XL is a professional model for large projectors, e.g. the SANYO PLC XF 47.

A spiral cable guide protects the mains cable as well as the control and data cables when the lift is in operation.

The position of the projector can be easily fixed via a separate programming unit (optional accessory No. 7466000100 or 7466000101 resp. 7466000105 for the Pro 250).

- Max projector weight: Pro 120 / 250 up to 30 kg
  Pro XL 120/250 up to 50 kg
- Super flat universal projector holder, tiltable
- Spiral cable guide for cable protection
- Safety switches, e.g. for switching off the power when the projector is lifted
- Custom-made version up to 340 cm lifting range on demand.
- Model with 250 cm lifting range and more supplied with SMI motor, for programming a third or fourth stop position, e.g. for servicing (requires optional programming unit No. 7466000120)

Ceiling lift Pro 120

Ceiling lift Pro 250

Ceiling lift Pro XL 120/250

For installation details, dimensions etc. see our website: www.kindermann.com

Technical data

	Ceiling lift Pro 120	Ceiling lift Pro 250	Ceiling lift Pro XL 120	Ceiling lift Pro XL 250
Ref. No.	**7465000050**	**7465000053**	**7465000100**	**7465000103**
Installation	230 mm + projector height	335 mm + projector height	min. 56 cm, with ceiling plate	
Projector mounting	with screws (M3/M4/M5/M6) on projector bottom, fixing points between 138 – 378 mm		projector in upright position (Keystone correction via lens shift), fixing on 3 adjustable carrying arms via the drill-holes on the projector bottom	
Lifting range	up to 120 cm	up to 250 cm	120 cm	250 cm
Weight of lift	ca. 32 kg (without projector)	ca. 38 kg (without projector)	ca. 52 kg (without projector)	
Projector size	max. 45 x 65 x 20 cm		max. 75 x 62 x 33 cm	
Projector weight	max. 30 kg		max. 50 kg	
Voltage	230 V / 50 Hz		230 V / 50 Hz	
Connection	4-pin (up/down /PE/N)	5-pin (up/down /L/N/PE) for SMI motor	4-pin (up/down /PE/N)	
Required ceiling space	69 x 49 cm		69 x 49 cm	
Cutout of ceiling	74 x 54 cm		98 x 77,6 cm	
Ceiling plate	steel, adjustable		steel with T-profile, coated white (RAL 9003) – No. 7465000110 (accessory)	
Colour	metallic silver, coated (RAL 9006)		metallic silver, coated (RAL 9006)	

Accessories (see page 57 for more accessories)

for ceiling lifts Pro 120 / 250

Illustration	Item	Description	Ref. No.
	T profile	for holding the cutout panelling (note different size of cutout 752 x 552 mm	**7465000020**
	Metal panelling	for visible mounting on the ceiling, 4 parts, height 40 cm, white colour (RAL 9003)	**7465000010**

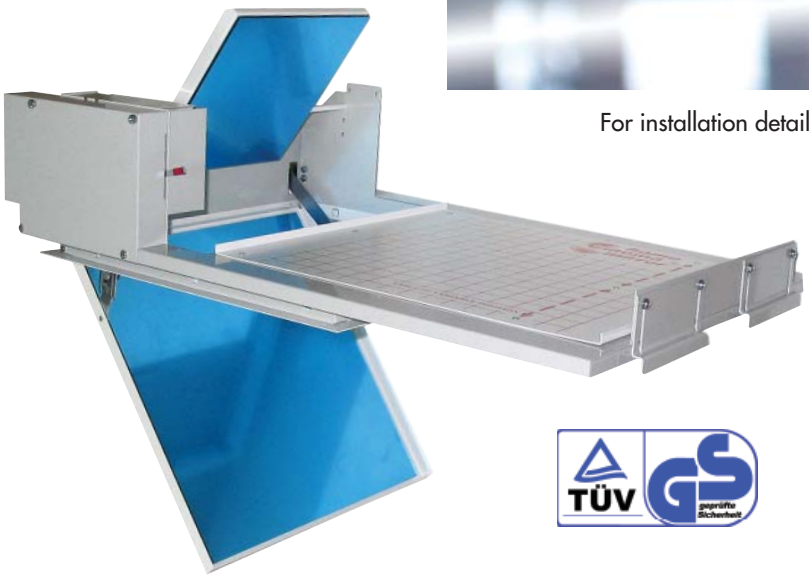
for ceiling lifts Pro XL 120 / 250

Illustration	Item	Description	Ref. No.
	Ceiling plate with T-profile	Integration of the ceiling cutout (95.6 x 75.2 cm), RAL 9003	**7465000110**

Subject to technical alterations, as well as to changes of the design and the colour

Ceiling mirror for data/video projectors

Mirror projection system for false ceilings



For installation details, dimensions etc. see our website: www.kindermann.com

Please note!

See page 58 for accessories

Ready in ca. 30 seconds!

The ceiling mirror makes it possible to install the projector in the space between the room ceiling and the false ceiling. Thus the technology remains invisible. Moreover, the projector is effectively protected against dust, smoke and theft.

Press the button and the foldable mirror opens quietly, the projector is ready for use and projects the image on the screen via two high-quality mirrors.

The projection distance grows about 40 – 50 cm, i.e. either the mirror must get closer to the screen or the projector lens must be able to compensate for the bigger projection distance, the picture size remaining the same.

There is an additional advantage: the fan noise is sharply reduced while the projector is in use.

The mirror is suitable for standard projectors with LCD or DLP technology.

Technical data

KINDERMANN Ceiling mirror	
Ref. No.	**7467000000**
Mounting space (depending on the adjustment of the upper mirror)	min. 17 – 22 cm
Max. height of the projection beam	10 cm
Max. length of the projector	42 cm
Projection ratio	min. 1,5:1
Up/down ratio	min. 9:1
Distance A to screen	projection distance according to manufacturer - 50 cm
Overall dimensions of the complete mirror system	63 x 40 cm
Overall dimensions of the foldable mirror	33.5 x 33.5 cm
Extension of the foldable mirror	max. 27 cm
Opening time of the foldable mirror	max. 30 seconds
Control	see accessories
Weight	8.2 kg
Voltage	230 VAC / 50Hz
Power consumption	10 W

Subject to technical alterations, as well as to changes of the design and the colour

KINDERMANN Ceiling mirror PRO

NEW!

The elegant solution for installing a projector in a false ceiling

- Harmonious optical design due to concealed installation of the projector, and integration of the ceiling cutout into the mirror flap
- Servicing of the projector through opening in ceiling; the projector is mounted on a tray which can be swivelled out for maintenance.
- Normally no separate servicing flap is required
- Various mounting options included for installation the unit in false ceilings
- Well-designed construction, even as to details: professional adjustment of frame, mirror flap and projector for optimal images
- Small installation height
- Motorized mirror flap, to be operated via switch up/down, IR resp. radio or media control
- In case of malfunctions, e.g. power cutdown, the mirror flap can be opened manually
- Patented system

Quality made in Germany
by KINDERMANN

For installation details, dimensions etc. see our website: www.kindermann.com

Easy mounting

The projector is mounted on the universal KINDERMANN projector holder which is fixed on a tray in the frame of the ceiling mirror. Therefore the projector can be shifted horizontally and vertically. This makes adjusting and servicing it possible without maintenance flap.

The upper mirror is adjustable in 3 positions. The mirror flap can be covered with the material of the ceiling cutout.

Several mounting options

With threaded bolts (optional) that reach into the real ceiling, via mounting brackets on the carrying parts of the ceiling construction, or via fixing adapters on the carrying frames of standard false ceilings with grids 60 x 60 cm resp. 62.5 x 62.5 cm.

Please note!

See page 58 for accessories

Technical data

KINDERMANN Ceiling mirror PRO	
Ref. No..	**7469000000**
Overall dimensions of the complete mirror system	535 mm x 630 mm x 180 mm
Colour	white RAL 9003
Required mounting space between standard ceiling and false ceiling	115 mm + projector height, but min. 200 mm
Ceiling cutout	507 x 525 x 27 mm (with T profile for ceiling cutout)
Mounting	Installation depth min. 250 mm, if the frame is to be mounted in the ceiling cutout
Weight	18 kg
Thickness of ceiling	max. 22 mm
Mirror	Surface mirror of glass, reflexion min. 95 %
Swivelling range of mirror flap	0° bis 60°, for servicing up to 85°
Motor	12 VDC, 20 W
Power supply	230 VAC, 12 VDC, 1.5 A
Control	Low voltage input for switch, radio or remote, or media control
Operating time	25 seconds for opening, 35 second for closing
Installation prerequisites	
Projector	max. dim. 490 x 500 mm, max. weight 15 kg, lens must be in the centre
Up/down ratio	min. 9:1 for a distortion-free projection
Distance ratio	min. 1.5 When the lens position is on min. ratio 2.0, a 10 % lower, distortion-free projection is possible
Distance mirror front edge to screen	projection distance according to projector manufacturer minus 70 cm because of double mirror reflection, i.e. either the mirror must get closer to the screen or the projector lens must be able to compensate for the bigger distance.

Subject to technical alterations, as well as to changes of the design and the colour

Accessories for KINDERMANN Ceiling lifts and ceiling mirror PRO

For KINDERMANN Ceiling lift Pro 120 and Compact 80/120

Illustration	Item	Description	Ref. No.
	Programming unit Standard	With 4-pin connection cable, for programming the stop positions, reusable	**7466000100**
	Programming unit Electronic	For more convenience, with 4-pin connection cable, for programming the stop positions, reusable	**7466000101**
	Safety switch for lift Compact	Mechanical switch 230 V AC, 10 A, e.g. for cutting off the projector from power when ceiling lift is lifted, stop position adjustable	**746600015**
	Joint for lift Compact	With long spider arms. Required, e.g., for installing Sanyo PLC XP 100/200 or Mitsubishi XL 6600	**746600012**

For KINDERMANN Ceiling lift Pro 250 with SMI motor

Illustration	Item	Description	Ref. No.
	Programming unit Standard for SMI motor	With 5-pin connection cable, for programming the stop positions, reusable	**7466000105**
	Programming unit for 4 positions with SMI motor (up, 2 projector positions, lower servicing position)	Consisting of SMI control unit, SMI interface, programming unit, power supply 24 V DC, 1 A	**7465000120**

For all ceiling lifts / ceiling mirror Pro

Illustration	Item	Description	Ref. No.
	Up/down switch	10 A / 250 V AC, 2-pin, on wall mounting, Busch-Jaeger Reflex Si, white	**5944000002**
	Key switch	on-wall mounting	**5944000001**
	Radio remote control	1-channel with wireless switch and mobile sender, up to 30 m * for controlling the ceiling mirror Pro (No. 7469000000) interface No. 7469000010 is required additionally	**5944000000**
	IR remote control	1-channel, on-wall receiver and sender * for controlling the ceiling mirror Pro (No. 7469000000) interface No. 7469000010 is required additionally	**5699000013**
	12 V relay box	Plug & play, for lowering the screen when the projector is switched on; connection via the 12 V output of a projector * not required for ceiling mirror Pro (No. 7469000000) which can be controlled directly via low-voltage relays of a media control	**5944000014**
	Electronic on/off device	Switches projectors on or off automatically via RS 232 standard control*. For projectors by KINDERMANN, EPSON, SANYO, MITSUBISHI. Supplied with power supply 5 V DC. Control via safety switch in ceiling lift Pro and Compact (optional accessory No. 7466000015) * If in doubt, please ask us as to compatibility	**7465000016**

Accessories for ceiling mirror Pro

Item	Description	Ref. No.
Control board for ceiling mirror Pro	For using radio remote control No. 5944000000 or IR remote control No. 5699000013	**7469000010**
Set of threaded bolts	For invisible mounting of the mirror on the real ceiling, e.g. if the false ceiling is not strong enough. **Supplied with:** 4 threaded bolts M8, 100 cm long.	**7467000014**

Mounting material for ceiling mirror (No. 7467)

Illustration	Item	Description	Ref. No.
	Mounting frame with maintenance opening	For integration of the ceiling mirror in false ceilings, e.g. plaster board ceilings, accoustic ceilings or as maintenance opening in the false ceiling. Colour white. Outer dim. 62 x 62 cm. Required cutout of ceiling: 60.5 x60.5 cm	**7467000015**
	Holding plate 63 cm	For integrating the ceiling mirror into false ceilings with grid size 63 cm	**7467000013**
	Set of threaded bolts	For invisible mounting of the mirror on the real ceiling, e.g. if the false ceiling is not strong enough **Supplied with:** 4 threaded bolts M8, 100 cm long.	**7467000014**

Accessories for ceiling mirror (No. 7467000000)

Illustration	Item	Description	Ref. No.
	Touch button	Busch-Jaeger, Reflex Si, in-wall.	**7467000011**
	Radio remote control	1-channel, consisting of wall switch with Schuko plug and mobile sender.	**7467000012**
	IR remote control	1-channel, incl. wall switch and mobile sender.	**5699000016**
	Status sensor for media control	Reports the status of the mirror flap (open or closed) to the media control device. Connection to media control via 1 or 2 I/O inputs (for max. 40 V/2A only).	**7467000020**
	Electronic on/off device	Switches projectors on or off automatically via RS 232 standard control. Includes status sensor No. 7467000020* for projectors by KINDERMANN, EPSON, SANYO. * If in doubt, please ask us as to compatibility	**7467000021**

Subject to technical alterations, as well as to changes of the design and the colour

Mounts for plasma and TFT/LCD displays

NEW!

Sturdy high-quality mounts for safe mounting of displays up to 65"

- Professional mounting of large displays
- Easy configuration and installation
- Compatible with many displays
- Also suitable for integration in AV furniture
- Non-tiltable, or tiltable +15° / –5°

KINDERMANN ceiling mounts for displays

Consisting of 3 modules:

Mounts can be individually designed.

- ceiling plate

- aluminium support tube

- display mount

Ceiling plates

Illustration	Item	Description	Ref. No.
	Ceiling plate Standard, anthracite	Cable channel inside	**7510000000**
	Ceiling plate Standard, silver		**7510000001**
	Ceiling plate Heavy		**7510000010**

Aluminium support tubes

Illustration	Item	Description	Ref. No.
	Length 100 cm	Outer diameter 51 mm inner diameter 45 mm, can be shortened incl. safety screws for crash protection	**7510000100**
	Length 150 cm		**7510000150**
	Length 200 cm		**7510000200**
	Length 250 cm		**7510000250**

Display mounts

Illustration	Item	Description	Size diagonal	Ref. No.
	Display mount VESA 75 x 75 / 100 x 100 **Display mount VESA 100 x 100 / 100 x 200 / 200 x 200**	Cable channel inside		**7510000050** **7510000054**
	Universal holder	Can hold: 85 kg	**32 - 42", non-tiltable**	**7510000056**
			32 - 42", tiltable +15°/-5°	**7510000057**
			40 - 65", non-tiltable	**7510000058**
			40 - 65", tiltable +15°/-5°	**7510000059**

Subject to technical alterations, as well as to changes of the design and the colour

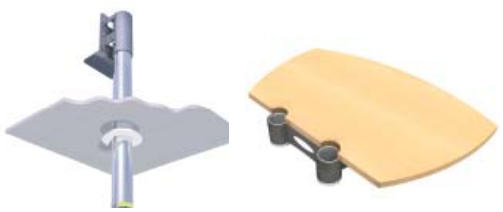
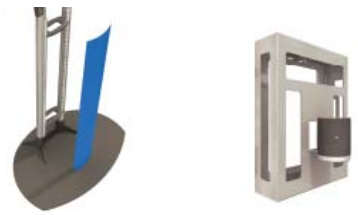
KINDERMANN wall mounts for displays

Illustration	Item	Size diagonal	Colour	Can hold	Ref. No.
	VESA 75 / 100 / 100 x 200 / 200 x 200		silver	max. 40 kg	**7511000001**
	VESA 75 / 100 / 100 x 200 / 200 x 200	**tiltable 6.5°**			**7511000002**
	Universal holder	**32" - 42", non-tiltable**	anthracite	max. 50 kg	**7511000015**
		32" - 42", tiltable +15°/-5°	anthracite	max. 50 kg	**7511000016**
		40" - 65", non-tiltable	anthracite	max. 85 kg	**7511000017**
		40" - 65", tiltable +15°/-5°	anthracite	max. 85 kg	**7511000018**
	Wall mount VESA 200 x 200 with rotating arm Distance to the wall 10 cm up to max. 40 cm		anthracite	max. 20 kg	**7511000003**
	Wall mount Universal with rotating arm Distance to the wall 15 cm up to max. 60 cm	**32" - 42", non-tiltable**	anthracite	max. 55 kg	**7511000021**
		32" - 42", tiltable +15°/-5°	anthracite	max. 55 kg	**7511000022**
		40" - 65", non-tiltable	anthracite	max. 55 kg	**7511000023**
		40" - 65", tiltable +15°/-5°	anthracite	max. 55 kg	**7511000024**

KINDERMANN display stands

Illustration	Item	Size diagonal	Height of display centre	Can hold	Ref. No.
	Flat screen stand Rolling	**32" - 42", non-tiltable**	140 cm	max. 50 kg	**7512000041**
		32" - 42", iltable +15°/-5°	140 cm	max. 50 kg	**7512000042**
		40" - 65", non-tiltable	140 cm	max. 85 kg	**7512000043**
		40" - 65", iltable +15°/-5°	140 cm	max. 85 kg	**7512000044**
	Flat screen stand Feet	**32" - 42", non-tiltable**	140 cm	max. 50 kg	**7512000051**
		32" - 42", tiltable +15°/-5°	140 cm	max. 50 kg	**7512000052**
		40" - 65", non-tiltable	140 cm	max. 85 kg	**7512000053**
		40" - 65", tiltable +15°/-5°	140 cm	max. 85 kg	**7512000054**
	Flat screen stand Plate with metal plate	**32" - 42", non-tiltable**	140 cm	max. 50 kg	**7512000061**
		32" - 42", tiltable +15°/-5°	140 cm	max. 50 kg	**7512000062**
		40" - 65", non-tiltable	140 cm	max. 85 kg	**7512000063**
		40" - 65", tiltable +15°/-5°	140 cm	max. 85 kg	**7512000064**
	Flat screen stand Design	**32" - 42", non-tiltable**	140 cm	max. 75 kg	**7512000071**
		40" - 50", non-tiltable	140 cm	max. 75 kg	**7512000072**

Accessories for display mounts and stands

Illustration	Item	Description	Ref. No.
	**Cover for ceiling cutout**		**7510000061**
	Optional deposit tray	For all ceiling mounts, and stands with 2 aluminium columns. **Size of plate** 70 x 40 cm Available in beech, grey, black, white	**7512000010**
	**Cable Kleen for invisible cable guide**	For all display stands with 2 aluminium columns. Easy mounting without tools, even later. 2 acrylic covers 110 cm eacg. Colour: silver	**7512000020**
	PC holder **Inner dimensions 294 x 224 x 72 mm**		**7510000062**

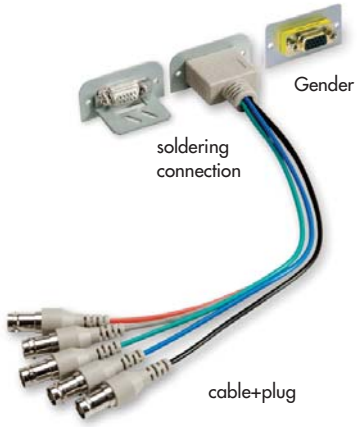
Subject to technical alterations, as well as to changes of the design and the colour

KINDERMANN MultiMedia socket systems

The modular MultiMedia socket system allows you to integrate computer, video, audio, control or network connections into standard electrical fittings, into desktop casings, floor boxes and 19" racks.

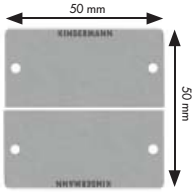
It puts an end to ugly cables lying or hanging around.

The modular system is inexpensive and can be expanded any time by adding more connections.

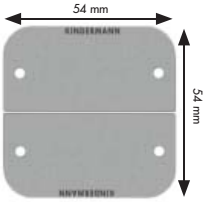


Quality made in Germany
by KINDERMANN

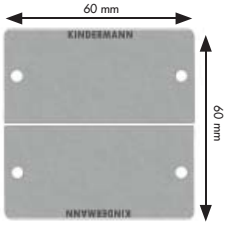
- The modules are available as soldering version or already fitted with cable and plug on the rear side.
- The modules with cable and plug are supplied as f / f version unless otherwise stated. The cable length is 20 m.
- The adapter plates are made of high-quality anodized aluminium.



Ref. No. 7444-xxx



Ref. No. 7441-xxx



Ref. No. 7442-xxx

Adapter plates 50 x 50 mm	Adapter plates 54 x 54 mm	Adapter plates 60 x 60 mm
Suitable for	Suitable for	Suitable for
Socket systems	Socket systems	Socket systems „ Feller"
Desktop casings		
Floor boxes		
19" racks		

Miscellaneous

Adapter plates sized			50 x 50 mm	54 x 54 mm	60 x 60 mm
Illustration	Item	Connection	Ref. No.	Ref. No.	Ref. No.
	Faceplate (half size) **Faceplate (full size)**		7444000400 7444000500	7441000400 7441000500	7442000400 7442000500
	Mains switch (full size plate) only available pre-mounted in desktop casing		7444000200		
	Faceplate (full size) diameter 1 x 18 mm diameter 1 x 12 mm	with cable outlet	7444000440		
	Push-button, stainless steel, 48 V DC / 125 mA e.g. for control of selectors (e.g. No. 5816000007) with contact inputs	Soldering connection	7444000441		
	Button, stainless steel 30 VDC / 500 mA	Soldering connection	7444000442		
	Push-button, stainless steel with blue LED, 48 V DC / 500 mA, with illumination 9 – 12 V	Soldering connection	7444000443		

Computer / Video

Adapter plates sized			50 x 50 mm	54 x 54 mm	60 x 60 mm
Illustration	Item	Connection	Ref. No.	Ref. No.	Ref. No.
	VGA (HD15) Required installation depth for cable+plug connection: min. 47 mm	Soldering connection Cable+plug Gender changer	7444-00001 7444000501 7444000601	7441000401 7441000501	7442000401 7442000501
	VGA to BNC 5 Required installation depth for cable+plug connection: min. 47 mm	Cable+plug	7444000507	7441000507	7442000507
	VGA active (full size plate) with integrated VGA amplifier 1:1; 400 MHz and with external power supply 230 V / 12 V DC Required installation depth for cable+plug connection: min. 40 mm	Cable+plug	7444000509	7441000509	
	DVI-I (24 + 5 pin) Required installation depth for cable+plug connection: min. 65 mm	Soldering connection Cable+plug	7444000402 7444000502	7441000402 7441000502	7442000502
	HDMI Required installation depth: min. 52 mm	Cable+plug	7444000540	7441000540	7442000540

Subject to technical alterations, as well as to changes of the design and the colour

Computer / Video

Adapter plates sized			50 x 50 mm	54 x 54 mm	60 x 60 mm
Illustration	Item	Connection	Ref. No.	Ref. No.	Ref. No.
	Video (cinch) Required installation depth for cable+plug connection: min. 47 mm	Soldering connection Cable+plug	7444000403 7444000503	7441000403 7441000503	7442000403 7442000503
	Video to 1 x BNC Required installation depth for cable+plug connection: min. 47 mm	Cable+plug	7444000535	7441000535	
	S-Video (4 pin MiniDIN) Required installation depth for cable+plug connection: min. 47 mm	Soldering connection Cable+plug	7444000404 7444000504	7441000404 7441000504	7442000404 7442000504
	S-Video to 2 x BNC Required installation depth for cable+plug connection: min. 47 mm	Cable+plug	7444000536	7441000536	
	Video/S-Video (cinch to 4-pin MiniDIN) Required installation depth for cable+plug connection: min. 47 mm	Soldering connection Cable+plug	7444000405 7444000505	7441000405 7441000505	7442000405 7442000505
	Component Video (3 x cinch) Required installation depth for cable+plug connection: min. 47 mm	Soldering connection Cable+plug	7444000406 7444000506	7441000406 7441000506	7442000406 7442000506
	Scart	Soldering connection		7441000408	
	BNC – 1 connection (half size plate)	Gender changer	7444000537	7441000537	
	BNC – 2 connections (half size plate)	Gender changer	7444000538	7441000538	
	BNC – 5 connections (full size plate)	Gender changer	7444000539	7441000539	
	F socket – 2 connections for HF signals (e.g. for satellite receiver)			7441000541	

Audio – passive

Adapter plates sized			50 x 50 mm	54 x 54 mm	60 x 60 mm
Illustration	Item	Connection	Ref. No.	Ref. No.	Ref. No.
	Audio L/R (cinch) Required installation depth for cable+plug connection: min. 47 mm	Soldering connection Cable+plug	7444000410 7444000510	7441000410 7441000510	7442000410 7442000510
	Audio jack (3.5 mm stereo) Required installation depth for cable+plug connection: min. 47 mm	Soldering connection Cable+plug	7444000411 7444000511	7441000411 7441000511	7442000411 7442000511
	Audio jack (6.3 mm stereo)	Soldering connection	7444000417	7441000417	
	XLR 3-pin (full size plate) Neutrik® socket (f)	Soldering connection (XLR / f) Soldering connection (XLR / m)	7444000412 7444000416	7441000412 7441000416	7442000412 7442000416
	Speakon 4-pin (full size plate)) Neutrik® socket (f) Required installation depth: 40 mm (with soldering)	Soldering connection	7444000413	7441000413	7442000413
	Loudspeaker suitable for loudspeaker cable or pin plugs up to 4 mm²	Clamp+screw	7444000414	7441000414	7442000414
	Volume control (Poti) (Cinch L/R) **(Full size plate)** for line signals, e.g. of notebooks, DVD players Required installation depth: 35 mm	Cable+plug	7444000518	7441000518	

Compact connection system with line and microphone pre-amplifier*

- Ultra compact, decentralized technology, extra storage room no longer necessary! The complete audio technology is integrated in the cable channel or desktop casing
- Volume control per input and on the amplifier module
- Use of protected standard CAT 5 cables with separate wire
- Cut+clamp connections for combining the single modules
- Easy installation
- Unlimited expansion of the system possible
- Full stereo or 2-channel operation
- Compatible with all common sound sources

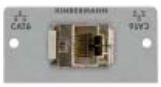
*Please ask us for the available audio active modules!

Subject to technical alterations, as well as to changes of the design and the colour

Data

Adapter plates sized			50 x 50 mm	54 x 54 mm	60 x 60 mm
Illustration	Item	Connection	Ref. No.	Ref. No.	Ref. No.
	Serial RS 232 (9-pin SubD)	Soldering connection Cable+plug	7444000420 7444000520	7441000420 7441000520	7442000420 7442000520
	PS/2	Soldering connection Cable+plug	7444000521	7441000421 7441000521	
	USB (2.0 compatible) **A = f / A = f** Required installation depth: 43 mm	Cable+plug	7444000522	7441000522	7442000522
	USB (2.0 compatible) **B = f / A = f** Required installation depth: 43 mm	Cable+plug	7444000525	7441000525	7442000525
	USB – CAT 5 with integrated USB extender (No. 5772000001) for USB 1.1, max. length CAT 5 cable between sender / receiver 45 m	Cable+plug	7444000524	7441000524	

Network

Adapter plates sized			50 x 50 mm	54 x 54 mm	60 x 60 mm
Illustration	Item	Connection	Ref. No.	Ref. No.	Ref. No.
	CAT 5 (RJ45)	Gender changer (1:1)	7444000523	7441000523	7442000523
	CAT 6 (RJ45) Socket (f) "Reichle+DeMassari"	Cut+clamp	7444000423	7441000423	7442000423
	**CAT 6 (RJ45)** Socket (f) "BTR"	Gender changer (1:1)	7444000526	7441000526	7442000526
	CAT 7 Socket (f) "Nexans" Certified up to 1000 MHz downward compatible to RJ 45 (CAT 5/ CAT 6)	Cut+clamp	7444000424	7441000424	7442000424

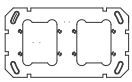
Kombi

Adapter plates sized			50 x 50 mm	54 x 54 mm	60 x 60 mm
Illustration	Item	Connection	Ref. No.	Ref. No.	Ref. No.
	Video, audio L/R Required installation depth: min. 47 mm	Soldering connection Cable+plug	7444000430 7444000530	7441000430 7441000530	7442000430 7442000530
	Audio L/R, S-video Required installation depth: min. 47 mm	Soldering connection Cable+plug	7444000431 7444000531	7441000431 7441000531	7442000431 7442000531
	Audio jack / CAT 5	Soldering connection Cable+plug		7441000434 7441000534	

Installation example of a socket cover with on-wall casing

On-wall or in-wall casing	Mounting frame No. 7442000001 (always needed)	Socket cover	Adapter frame (from Kindermann or the manufacturer of standard sockets)	Adapter plates sized 60 x 60 mm, 54 x 54 mm or 50 x 50 mm

Mounting kits for socket systems

Illustration	Item	Description	Ref. No.
	Mounting frame for adapter plates 50 x 50 mm and 54 x 54 mm	with adapter frame for using adapter plates 54 x 54 mm (7441000-xxx) in socket systems sized 55 x 55 mm	**7442000001**
	Mounting frame (1-gang) for adapter plates 60 x 60 mm	System Feller „Edizio“	**7442000003**
	**Mounting frame (2-gang) for adapter platesn** 60 x 60 mm	System Feller „Edizio“	**7442000004**
	Socket cover (1-gang) and mounting frame	Busch Jaeger, Reflex SI, white, suitable for adapter plates sized 54 x 54 mm (7441000-xxx)	**7441000001**
	Socket cover (2-gang) and 2 mounting frames	Busch Jaeger, Reflex SI, white, suitable for adapter plates sized 54 x 54 mm (7441000-xxx)	**7441000002**
	On-wall casing (1-gang)	Busch Jaeger, Reflex SI, white, incl. pre-cut cable outlet suitable for No. 7441000001	**7441000003**
	On-wall casing (2-gang)	Busch Jaeger, Reflex SI, white, incl. pre-cut cable outlet suitable for No. 7441000002	**7441000004**
	In-wall casing	1-gang – depth: 47 mm 1-gang – depth: 61 mm	**7441000005** **7441000007**
	In-wall casing	2-gang – depth: 47 mm 2-gang – depth: 75 mm	**7441000006** **7441000008**

The modules are compatible with the following standard sockets and covers:

Berker	
54 x 54 mm	S1, B1, B3, B7 Glas, Modul 2, Arsys, K.1/K.5
50 x 50 mm	S1, B1, B3, B7 Glas, Modul 2, Arsys, K.1/K.5
Busch-Jaeger	
54 x 54 mm	Reflex SI (linear), Duro 2000 Si (linear), Pur Edelstahl
50 x 50 mm	Reflex SI (linear), Duro 2000 Si (linear), Solo, Future (Linear), Carat, Alpha exlusive, Alpha nea, Impuls, Busch-axent Pur Edelstahl
Elso	
54 x 54 mm	Riva, Scala, Fashion (jeweils nur mit ELSO-Kombirahmen 55 x 55)
Feller	
60 x 60 mm	Edizio
Gira	
54 x 54 mm	Event, E2, E22 weiß, Esprit, Standard 55
50 x 50 mm	Event, E2, Esprit, Standard 55, Edelstahl, Aluminium, S-Color, Fläche, S-Classic, E22
Hager/Tehalit	
50 x 50 mm	Kallysto pur, Kallysto stil, Kallysto art
Jung	
54 x 54 mm	A 500, AS 500, AS universal, A plus, A creation, LS plus, LS 990, Edelstahl, Aluminium, Anthrazit, Glanzchrom, Gold
50 x 50 mm	A 500, AS 500, AS universal, A plus, A creation, CD 500, ST 550, CD universal, CD plus, LS plus, LS 990, Edelstahl, Aluminium, Anthrazit, Glanzchrom, Gold, FD-Desgin
Kopp	
54 x 54 mm	Milano
Legrand-BTicino	
50 x 50 mm	Creo, Galea Life
Merten	
54 x 54 mm	Atelier, M-Arc, M-Plan, M-Plan II, M-Smart, M1, M-Star
50 x 50 mm	Atelier, M-Arc, M-Plan, M-Plan II, M-Smart, M1, M-Star, Artec, Antik, Octocolor, System Basis, System Fläche, System M
Peha	
50 x 50 mm	Standard, Dialog
60 x 60 mm	Nova, Aura
Presto-Vedder	
50 x 50 mm	Regina, Alessa, Alessa Plus, Fiorena
Siemens	
54 x 54 mm	Delta i System, Delta vita, Delta miro
50 x 50 mm	Delta i System, Delta vita, Delta miro, Delta profil, Delta style, Delta natur (Holz), Delta ambiente

These standards are common in Germany and many other European countries.

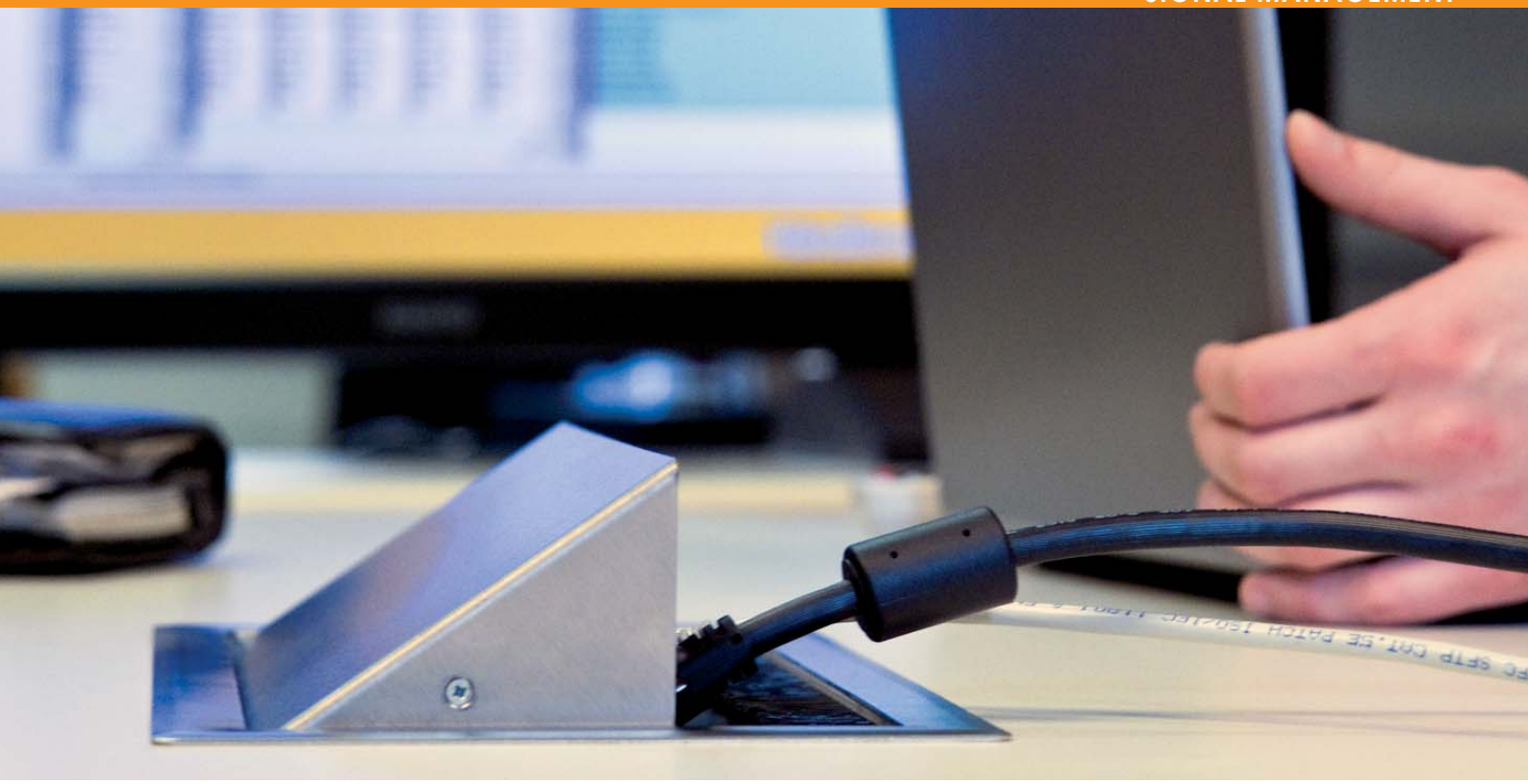
Other country versions are available on demand!

Note!

If the inner dimensions of the socket cover differ from the standard sizes 50 x 50, 54 x 54 or 55 x 55 mm, an extra adapter frame is needed in addition to the socket cover and the mounting frame No. 7442000001, in order to reduce the inner dimensions to 50 x 50 mm.

This additional adapter frame is supplied by the manufacturer of the standard sockets and covers.

Subject to technical alterations, as well as to changes of the design and the colour



KINDERMANN desktop connections

With the KINDERMANN desktop modules messing around with the wiring on the conference table is a thing of the past.

In addition to pre-configurated desktop modules individual combinations of mains, AV and data interfaces can be realized in the desktop casing.

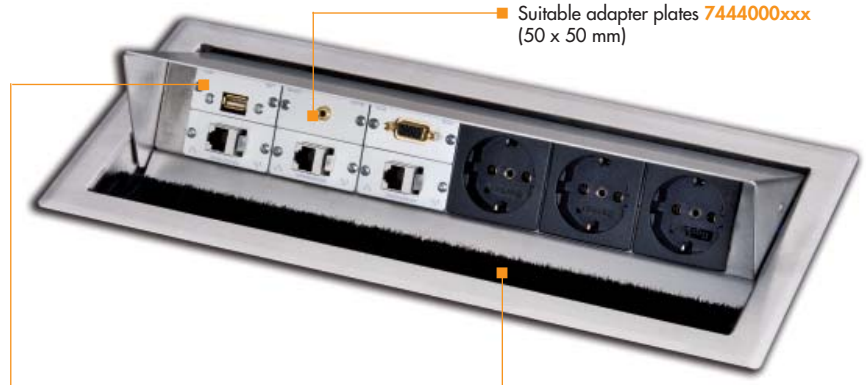
When required, the lid is opened. After fixing the wiring the lid can be closed again, and the connections are hidden. The opening for the cable is covered by an integrated brush.

The housing can be installed level to the desktop.

KINDERMANN desktop connections are available in 2 versions:

- **Coated, RAL 9006**
- **Stainless steel (polished)**
- **Custom-made versions in other RAL colours can be supplied on demand!**

Features


Suitable adapter plates 7444000xxx
(50 x 50 mm)
Can be individually configured with mains sockets and adapter plates. Each section can hold one full size plate or two half size plates.
Brush and integrated blind

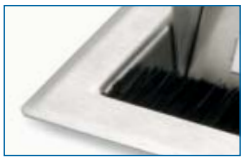
- Empty casing, open

- Closed

- Connections with cable and plug

KINDERMANN desktop connections

Installation depth 83 mm, radius R5
Power connection with 3-pin Wieland plug GST 18
(GST 18 connector supplied)



Pre-mounted desktop casings

Illustration	Desktop casing	Outer dim.	Cutout	Pre-mounted with	Coated, RAL 9006 Ref. No.	Stainless steel (polished) Ref. No.
	with 2 adapter plates	183 x 180 mm	155 x 160 mm	1 x mains socket (Schuko) 1 x VGA 1 x Audio (jack) 1 x Cat 5	7444000003	7444000005
				2 x mains socket (Schuko)	7444000032	7444000042
	with 4 adapter plates	287 x 180 mm	262 x 160 mm	2 x mains socket (Schuko) 1 x VGA 1 x Audio (jack) 2 x Cat 5	7444000008	7444000006
				4 x mains socket (Schuko)	7444000074	
	with 6 adapter plates	392 x 180 mm	365 x 160 mm	3 x mains socket (Schuko) 1 x VGA 1 x Audio (jack) 1 x USB 3 x Cat 5	7444000009	7444000007
				6 x mains socket (Schuko)	7444000086	
	with 6 adapter plates and PIXIE+	392 x 180 mm	365 x 160 mm	2 x mains socket (Schuko) 1 x Pixie+ 2 x empty module for 2 full size plates or 4 half size plates		7444000090

Desktop casings for individual configuration

Illustration	Desktop casing	Pre-mounted with	Coated, RAL 9006 Ref. No.	Stainless steel (polished) Ref. No.
	for 2 adapter plates (dim. as above)	1 x mains socket (Schuko), 1 x empty module	7444000031	7444000041
		1 x mains socket (Swiss), 1 x empty module	7444 0CH 031	7444 0CH 041
		1 x mains socket (French), 1 x empty module	7444 0F0 031	7444 0F0 041
		1 x mains socket (Italian), 1 x empty module	7444 0IT 031	7444 0IT 041
		1 x mains socket (UK), 1 x empty module	7444 0UK 031	7444 0UK 041
	for 4 adapter plates (dim. as above)	4 x empty module for 4 full size plates or 8 half size plates	7444000070	7444000050
		2 x mains socket (Schuko), 2 x empty module	7444000072	7444000052
		2 x mains socket (Swiss), 2 x empty module	7444 0CH 072	7444 0CH 052
		2 x mains socket (French), 2 x empty module	7444 0F0 072	7444 0F0 052
		2 x mains socket (Italian), 2 x empty module	7444 0IT 072	7444 0IT 052
		2 x mains socket (UK), 2 x empty module	7444 0UK 072	7444 0UK 052
	for 6 adapter plates (dim. as above)	6 x empty module for 6 full size plates or 12 half size plates	7444000080	7444000063
		3 x mains socket (Schuko), 3 x empty module	7444000083	7444 0CH 063
		3 x mains socket (Swiss), 3 x empty module	7444 0CH 083	7444 0F0 063
		3 x mains socket (French), 3 x empty module	7444 0F0 083	7444 0IT 063
		3 x mains socket (Italian), 3 x empty module	7444 0IT 083	7444 0UK 063
		3 x mains socket (UK), 3 x empty module	7444 0UK 083	

Note!
Other versions on demand.

Connection cables

Illustration	Item	Length	Ref. No.
	Connection cable mains (Schuko) - m Wieland GST 18 - f	1 m 2 m 3 m 5 m 8 m	7444000301 7444000302 7444000303 7444000305 7444000308

Illustration	Item	Length	Ref. No.
	Wieland extension f/m GST 18	1 m 2 m 3 m	7444000321 7444000322 7444000323
	Wieland distributor with clamp	1 input - m, 3 outputs - f	7444000340

Cable collector

Illustration	Item	Description	Ref. No.
	Cable collector	Size: 320 x 170 x 85 mm For storing away power supply units and for connecting cables of the desktop casing. Suitable for 13/19-pin installation cables	7446000020

Subject to technical alterations, as well as to changes of the design and the colour

Modular system for 19" racks

- Available in two versions:
  as patch panel with mains connection and switch
  as patch panel for adapter plates
- Integration of wiring in 19" racks
- For individual combination of adapter plates
- Colour: black, coated RAL 9005

Illustration	Item	Description	Ref. No.
	19" patch panel with 2 sockets 230 V, mains switch and rear Schuko connection	For connecting multiple sockets etc. With additional space for 4 full size plates or 8 half size plates (50 x 50 mm, 2 units) No. 7444-xxx	**7446000011**
	19" patch panel	For 7 full size plates or 14 half size plates (50 x 50 mm, 2 units) No. 7444-xxx	**7446000002**

Modular system for floor boxes

- For OBO/Ackermann, Tehalit and Electraplan boxes
- The module holders replace the casings GB2 and GB3 of Ackermann and Tehalit
- For Electraplan the casings GB2D and GB3D are required
- For individual combination of adapter plates 50 x 50 mm (7444-xxx)
- Adapter plates optional

Note!
For available adapter plates see pages 62 - 65.

Module holders for floor boxes

Illustration	Item	Description	Ref. No.
	Module holder GB2 for Ackermann and Tehalit	For 4 half size adapter plates or 2 full size adapter plates 7444-xxx	**7445000002**
	Module holder GB3 for Ackermann and Tehalit	For 6 half size adapter plates or 3 full size adapter plates 7444-xxx	**7445000003**
	Module holder for Electraplan	For 2 half size adapter plates or 1 full size adapter plate 7444-xxx Up to 2 holders are required for GB2D casing, resp. up to 3 holders for GB3D casing.	**7445000004**

Floor box Ackermann GESR7/10 U

Illustration	Item	Description	Ref. No.
	Floor box Ackermann GESR7/10	■ Equipped with 4 mains sockets (Schuko) * and 2 module holders GB2 ■ For up to 8 half size plates or 4 full size plates 50 x 50 mm ■ Mains connected with 3-pin Wieland plug GST 18 (supplied with GST 18 adapter for easy installation) ■ Adapter plates optional * Other versions on demand.	**7445000100**

Evoline desktop connections

Module

Illustration	Item	Description	Ref. No.
	Evoline Tower	Suitable for desktops max. 50 mm thick, drill-hole 102 mm diameter. Connections: 2 x mains 60°, 1 x VGA, 1 x audio (jack), 2 x CAT6 each with 3 m cable and plug, lid and casing silver.	**7443000000**
	Evoline Tower empty casing	Suitable for desktops max. 50 mm thick, drill-hole 102 mm diameter, lid and casing silver. Empty casing – only available in combination with modules 7443000xxx.	**7443000001**
	Evoline Tower empty casing	As 7443000001 but with tiltable lid of polished stainless steel, 2 blue LEDs below the lid, illuminated on/off switch. Only available in combination with modules 7443000xxx.	**7443000005**
	Evoline Desk	With 2 clamps for desktop mounting, 8–40 mm thick, 2 x mains socket, 1 x VGA, 1 x Audio (jack), 2 x CAT6 each with 3 m cable and plug.	**7443000002**
	Evoline Desk empty casing	Empty casing, only available in combination with modules 7443000xxx.	**7443000006**

Subject to technical alterations, as well as to changes of the design and the colour

Clamps for Evoline Desk

Item	Description	Ref. No.
1 clamp for mounting 7443000006 on a desktop	8 – 40 mm thick	7443000020
1 clamp for mounting 7443000006 on a desktop	40 – 75 mm thick	7443000021
2 clamps for mounting 7443000006 on a desktop	8 – 40 mm thick	7443000022
2 clamps for mounting 7443000006 on a desktop	40 – 75 mm thick	7443000023

Mains switch and socket for Evoline

Item	Description	Ref. No.
On/off switch mains	illuminated, only available pre-mounted	7443000101
Mains socket Germany / Austria	50 mm, mounted at 60° angle, only available pre-mounted	7443000200
Mains socket Switzerland, 10 A	50 mm, mounted at 60° angle, only available pre-mounted	7443000199

Modules for Evoline desktop connections

All modules equipped with 3 m cable and plug (f / m).

Modules	for Evoline Desk		for Evoline Tower side outlet	
Item	Width	Ref. No.	Width	Ref. No.
VGA (HD15)	25 mm	7443000201	50 mm	7443000501
DVI-D	25 mm	7443000202	50 mm	7443000502
HDMI	25 mm	7443000240	50 mm	7443000540
Video (cinch)	25 mm	7443000203	50 mm	7443000503
S-Video (4-pin MiniDIN)	25 mm	7443000204	50 mm	7443000504
Video/S-Video (Cinch/ 4-pin MiniDIN)	25 mm	7443000205	50 mm	7443000505
Audio (2x cinch)	25 mm	7443000210	50 mm	7443000510
Audio (3.5 mm jack)	25 mm	7443000211	50 mm	7443000511
XLR (3-pin)	50 mm	7443000212	50 mm	7443000512
USB (type A, 2.0 comp.)	25 mm	7443000222	50 mm	7443000522
Cat5 (RJ45) 2x	50 mm	7443000223	50 mm	7443000523
Cat6 (RJ45) 2x	50 mm	7443000224	50 mm	7443000524

KINDERMANN desktop module

for flexible use

Supplied with 3 m cable and plug (m).

Module			
Illustration	Item	Description	Ref. No.
	Desktop module	Pre-mounted unit with 2 x mains, 1 x VGA, 1 x audio (jack), 2 x CAT5 Overall dimensions: 220 x 60 x 60 mm	7449000002

Accessories for KINDERMANN desktop module

Illustration	Item	Description	Ref. No.
	Clamp	for attaching the module to a desktop of 10 – 40 mm thickness	7449000100
		for attaching the module to a desktop of 40 – 80 mm thickness	7449000101
	Bracket	for mounting the module on or below a desktop	7449000102

VGA cables

High-quality VGA cables, black with gilded contacts, double protected, for best picture quality

- Multi-co-axial cable with low resistance, double protected
- Gilded contacts
- Full pin usage (without pin 9)
- * For optimum picture quality we recommend the use of a VGA amplifier (see page 80)

Illustration	Item	Connection	Length	Ref. No.
	VGA cable HD15	**m / m**	1 m	7483000001
			2 m	7483000002
			5 m	7483000005
			10 m	7483000010
			15 m*	7483000015
			20 m*	7483000020
			25 m*	7483000025
			30 m*	7483000030
			40 m*	7483000040
	VGA cable HD15	**m / f**	2 m	6326000002
			5 m	6326000005
			10 m	6326000010
			15 m*	6326000015
			20 m*	6326000020
	VGA cable HD15 **halogen free and flame retardant**	**m / m**	5 m	7496000005
			10 m	7496000010
			15 m*	7496000015
			20 m*	7496000020
			25 m*	7496000025
	VGA cable HD15 with 90° angle plug on one side	**m / m**	2 m	7483000102
			5 m	7483000105

VGA / BNC-5 cables

- HD15 / 5 x BNC plug, multi-protected, low resistance
- Protected by ferrit core

Illustration	Item	Connection	Length	Ref. No.
	VGA/ BNC-5 cable	**m / m**	2 m	6328000001
			5 m	5751000000
			10 m	5752000001
			15 m	5753000002
			20 m	5754000002

DVI cables

High-quality DVI cables, black with gilded contacts, double protected, for best picture quality

- For digital transmission (DVI-D) or digital and analogue transmission (DVI-I)
- Dual Link
- *We recommend the use of a DVI repeater No. 5778000004.
  If using cables of more than10 m, the function cannot be guaranteed.

Illustration	Item	Connection	Length	Ref. No.
	DVI-D cable, 24 + 1-pin	**m / m**	2 m	5809000000
			5 m	5809000002
			10 m*	5809000003
			15 m*	5809000004
			20 m*	5809000005
	DVI-I cable, 24 + 5-pin	**m / m**	2 m	5809000030
			5 m	5809000031
			10 m*	5809000032

Illustration	Item	Connection	Length	Ref. No.
	DVI-A / VGA cable DVI-A 12 + 5-pin / HD15 (m / m)	**m / m**	2 m	5809000007

Subject to technical alterations, as well as to changes of the design and the colour

HDMI cables

- High-quality HDMI cable, black with gilded contacts, double protected, for best picture quality
- For digital transmission of image and audio (m / m), supports HDTV and HDCP
- * We recommend the use of a HDMI repeater 5778000005. If using cables of more than 10 m, the function cannot be guaranteed.

Illustration	Item	Connection	Length	Ref. No.
	HDMI cable, type A, 19-pin	**m / m**	2 m	**5809000010**
			5 m	**5809000011**
			10 m*	**5809000012**
			15 m*	**5809000013**
			20 m*	**5809000014**
	HDMI / DVI-D DVI-I (24 + 1-pin) / HDMI (m /m)	**m / m**	2 m	**5809000020**

Active HDMI cables with integrated signal amplifier

The cables of the Active series are equipped with a plug with integrated signal amplifier (plug on the side of the display)

- Optimized for digital HDTV signal up to 1080 p.
- Transmits digital Audio and video data
- Transmission range: up to 165 MHz (5.2 Gigabit/s)
- HDMI version 1.2a.
- Double-protected
- HDCP compatible

Illustration	Item	Connection	Length	Ref. No.
	Active HDMI cable, type A, 19 pin	**m / m**	15 m	**5809000035**
			20 m	**5809000036**
			30 m	**5809000037**
			40 m	**5809000038**

HDMI copper / glass fibre cables

The LWL/copper hybrid cable is ideal for the transmission of video signals over long distances.

- The cables are equipped with integrated sender (Tx) and receiver (Rx) modules
- Hybrid cable with four multimode light wave guides and 5 additional protected copper cores
- Very flexible, normally no external power supply required
- Compatible with HDTV up to 1080 p and all VESA resolutions up to WUXGA (1920 x 1200 pixels @ 60 Hz). Supports DDC2B/HDCP, HDMI 1.2
- PVC coating black, flame-resistant
- Minimum bending radius: 15.4 cm
- Dimensions of transmitter: 21x77x21 mm

Illustration	Item	Connection	Length	Ref. No.
	HDMI copper / glass fibre cable		20 m	**5809000050**
			30 m	**5809000051**
			50 m	**5809000052**
			100 m	**5809000053**

USB cables / amplifiers

Illustration	Item	Description	Connection	Length	Ref. No.
	USB 2.0 cable	▪ USB 1.1 compatible ▪ grey	**A - m / A - m**	2 m	**5773000003**
				5 m	**5773000005**
	USB 2.0 cable	▪ USB 1.1 compatible ▪ grey	**A - m / B - m**	2 m	**5773000004**
				5 m	**5799000000**
	USB 2.0 active hub	▪ For cable connection > 5 m ▪ Active USB 2.0 Hub with 5 m cable ▪ Can be further extended (max. 3 x) ▪ USB powered, power supply not necessary	**A - m / A - f**	5 m	**5771000000**
	USB 2.0 active cable	▪ USB 2.0 compatible ▪ Integrated signal repeater ▪ Cannot be extended	**A - m / B - m**	11 m	**5771000001**
	USB 1:1 extender	▪ Transmits USB signal via CAT 5 cable up to 45 m length ▪ USB 1.1 compatible ▪ USB powered, power supply not necessary	**sender A - m + RJ45 - f** **receiver A - f + RJ45 - f**		**5772000001**

Patch cables CAT5 and CAT6

Illustration	Item	Description	Connection	Length	Ref. No.
	CAT5 patch cable	▪ 1:1, SFTP, double protected ▪ 4 x 2 x AWG 26 ▪ Indication of length on plug ▪ Grey colour	**RJ 45 m / m**	1 m	**5772000008**
				2 m	**5772000010**
				5 m	**5772000009**
				10 m	**5772000011**
				15 m	**5772000012**
				20 m	**5772000013**
				25 m	**5772000014**
				30 m	**5772000015**
				50 m	**5772000016**
	CAT6 patch cable	▪ 1:1, S-STP, protected ▪ 4 x 2 x AWG 27 ▪ Indication of length on plug ▪ Grey colour	**RJ 45 m / m**	1 m	**5772000101**
				2 m	**5772000103**
				5 m	**5772000105**
				10 m	**5772000110**
				15 m	**5772000115**
				20 m	**5772000120**
				25 m	**5772000125**
				30 m	**5772000130**
				50 m	**5772000150**

RS 232/ serial cables

Illustration	Item	Description	Connection	Length	Ref. No.
	RS 232 cable	▪ 9-pin SubD ▪ 1:1, protected	**f / m**	2 m	**5825000002**
				5 m	**5825000003**
				10 m	**5825000000**
				15 m	**5825000001**
				20 m	**5826000000**
	Zero modern cable	▪ 9-pin SubD ▪ Wiring: 1+6-4, 2-3, 3-2, 4-1+6, 5+5, 7-8, 8-7, protected	**f / f**	2 m	**5826000002**
				5 m	**5826000005**
				10 m	**5826000010**

Compositive video cables without sound

Illustration	Item	Description	Connection	Length	Ref. No.
	Composite video cable (cinch)	▪ Double protected ▪ Gilded plugs ▪ 75 Ohm, can be used for digital equipment	**m / m**	2 m	**5837000001**
				5 m	**5837000002**
				10 m	**5837000000**
				15 m	**5838000001**
				20 m	**5839000001**
				25 m	**5939000004**
				30 m	**5839000005**

Compositive video cables with sound

illustration	Item	Description	Connection	Length	Ref. No.
	AV cables (3 x cinch)	▪ Double protected ▪ 1 connection for video (75 Ohm) ▪ 2 connections for audio ▪ Gilded plugs, colour codes ▪ Can be used for digital equipment	**m / m**	2 m	**6415000001**
				5 m	**6415000002**
				10 m	**6415000003**
				15 m	**6414000001**
				20 m	**6416000001**
				25 m	**6416000002**
				30 m	**6416000003**

S-video cables without sound

Illustration	Item	Description	Connection	Length	Ref. No.
	S-Video cables (4- pin MiniDIN)	▪ Double protected ▪ 2 coax connections (75 Ohm) ▪ Gilded plugs	**m / m**	2 m	**7482000000**
				5 m	**7482000001**
				10 m	**5830000000**
				15 m	**5831000000**
				20 m	**5832000001**
				25 m	**5832000004**
				30 m	**5832000005**

Subject to technical alterations, as well as to changes of the design and the colour

Component Video Cables

Illustration	Item	Description	Connection	Length	Ref. No.
	Component video cable (3 x cinch)	▪ Double protected ▪ 3 coax connections (75 Ohm) ▪ Gilded plugs, colour codes	**m / m**	2 m	**5569000005**
				5 m	**5569000002**
				10 m	**5569000003**
				15 m	**5569000004**
				20 m	**5569000006**
	VGA / 3 x cinch	▪ E. g. for projectors with component video input via VGA	**m / m**	2 m	**5569000000**

Audio cables

Illustration	Item	Description	Connection	Length	Ref. No.
	Stereo-Cinch		**m / m**	2 m	**5762000001**
				5 m	**5762000000**
				10 m	**5763000000**
	Stereo-Cinch	▪ High-quality cable ▪ Double protected ▪ 2 coax connections ▪ Gilded plugs, colour codes	**m / m**	10 m	**5763000001**
				15 m	**5764000000**
				20 m	**5765000000**
	Stereo jack 3.5 mm		**m / m**	1.5 m	**5766000003**
				2.5 m	**5766000002**
				5 m	**5766000001**
				10 m	**5767000001**
	Stereo jack 3.5 mm	▪ High-quality cable ▪ Special protection ▪ Gilded plugs, colour codes	**m / m**	10 m	**5766000004**
				15 m	**5766000005**
				20 m	**5766000006**
	Stereo cinch / 3.5 mm jack		**m / m**	2 m	**5854000001**

Microphone cables

Illustration	Item	Description	Connection	Length	Ref. No.
	XLR 3-pin	▪ Professional microphone cable ▪ With Neutrik® metal XLR plug connections ▪ Core diameter 0.22 mm² 2 x 0.22 mm² per meter	**m / f**	1,5 m	**7489000000**
				2,5 m	**7489000001**
				5 m	**7489000002**
				10 m	**7489000003**
				20 m	**7489000004**

Gender changers / adapters

Gender changers change f plugs into m plugs and vice versa

Illustration	Item	Description	Connection	Ref. No.
	Gender changer VGA HD15		**f / f**	**6418000000**
	Gender changer VGA HD15		**m / m**	**6418000001**
	Adapter cable VGA / BNC5		**f / f**	**6281000049**
	Adapter cinch / BNC		**m / f**	**6419000000**
	Adapter BNC / cinch		**m / f**	**6419000001**
	Gender changer 3 x cinch		**f / f**	**6418000002**
	Gender changer S-video		**f / f**	**6418000003**
	Video / S-video adapter	Converts signals in both directions, e.g. for connecting a VHS recorder to an S-video input or a cinch socket to a S-video socket		**5853000000**
	Scart cinch adapter	Scart adapter to S-video + sound	**selectable in / out**	**6288000001**
	Adapter cinch / jack	3.5 mm jack to 2 x cinch	**f / m**	**5854000000**
	Adapter DVI-A / VGA	DVI-A (12 + 5-pin) to HD 15	**m / f**	**5809000006**
	Adapter HDMI / DVI-D		**f / m**	**5809000021**
	Adapter HDMI / DVI-D		**m / f**	**5809000023**
	Adapter USB		**A - m / B - f**	**5577000000**

Plugs

Illustration	Item	Description	Ref. No.
	VGA - m - HD15 SubD **VGA - f - HD15 SubD**	▪ Gilded contacts, for soldering ▪ Metal casing with screws	**7489000200** **7489000201**
	BNC - m - for RG59 (AWG 20) **BNC - f - for RG59 (AWG 20)** **BNC - m - for BNC5 (AWG 26)** **BNC - f - for BNC5 (AWG 26)**	▪ Gilded	**7489000202** **7489000203** **7489000204** **7489000205**
	Tongs, green	▪ **Suitable for the plugs:** 041, 0.068, 0.178, 0.278, 0.255", 1.07, 1.73, 4.52, 7.06, 6.48 mm ▪ **Suitable for the cables:** RG59, 62, 174	**7489000300**
	DVI-D - m (18-1-pin) **DVI-D - f (24-1-pin)**	▪ Gilded contacts, for soldering ▪ Plastic housing with metal protection	**7489000206** **7489000207**
	S-video - m (4-pin MiniDIN) **S-Video - f (4-pin MiniDIN)**	▪ Gilded contacts ▪ Metal housing	**7489000208** **7489000209**

Subject to technical alterations, as well as to changes of the design and the colour

Plugs

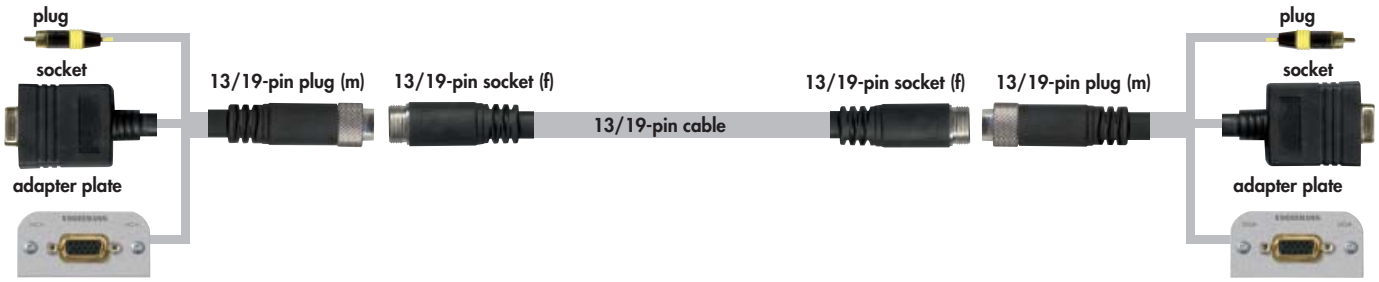
Illustration	Item	Description	Ref. No.
	Cinch - m (yellow) **Cinch - f (yellow)** **Cinch - m - set (red & white)** **Cinch - f - set (red & white)** **Cinch - m - set (red & green & blue)** **Cinch - f - set (red & green & blue)**	▪ Gilded contacts ▪ Metal housing	**7489000210** **7489000211** **7489000212** **7489000213** **7489000214** **7489000215**
	Jack - m (3.5 mm) **Jack - f (3.5 mm)**	▪ High-quality metal version ▪ Gilded contacts	**7489000216** **7489000217**
	XLR - m - 3-pin **XLR - f - 3-pin**	▪ High-quality metal version ▪ Neutrik®	**7489000218** **7489000219**
	Speakon - m - 4-pin	▪ For cables of diameter 6 – 14 mm ▪ Neutrik®	**7489000220**

AV cables by the meter

Illustration	Item	Description	Ref. No.
	High-quality VGA cable	▪ 5 x coax AWG 25 / 75 Ohm ▪ 4 x cord AWG 22 ▪ Double protected ▪ Flame-retardant PVC coating, black ▪ Attenuation (db/100 m) 100 MHz: 13.6 200 MHz: 18.9 400 MHz: 29.7 ▪ Outer diameter: 10 mm	**7489000040**
	RGBHV cable	▪ 5 x coax AWG 26 / 75 Ohm ▪ Fully protected ▪ Flame-retardant PVC coating, black ▪ Outer diameter: 9 mm ▪ Attenuation (db/100 m) 100 MHz: 17.2 200 MHz: 24.3 400 MHz: 38.0	**7489000050**
	DVI-D cable	▪ Component A, B, D: AWG28 ▪ Component C: AWG24 ▪ Double protected ▪ For single link ▪ Flame-retardant PVC coating, black ▪ Outer diameter: 9 mm	**7489000060**
	S-video cable	▪ 2 x coax AWG 26 / 75 Ohm ▪ Double protected ▪ Flame-retardant PVC coating, black ▪ Attenuation (db/100 m) 100 MHz: 17.2 ▪ Outer diameter: 7.4 mm	**7489000070**
	Video cable (RG59)	▪ Coax AWG 20 / 75 Ohm ▪ Double protected ▪ Flame-retardant PVC coating, black ▪ Outer diameter: 6 mm ▪ Attenuation (db/100 m) 10 MHz: 2.8 135 MHz: 9.0 270 MHz: 12.5 360 MHz: 14.6	**7489000080**
	AV cable	▪ 3 x coax AWG 22 / 75 Ohm ▪ Double protected ▪ PVC coating, black ▪ Outer diameter: 3 x 6 mm ▪ Attenuation (db/100 m) 10 MHz: 3.0 100 MHz: 13.1	**7489000090**
	Stereo audio cable (cinch)	▪ 2 x coax AWG 22 / 75 Ohm ▪ Doule protected ▪ PVC coating, black ▪ Outer diameter: 2 x 6 mm ▪ Attenuation (db/100 m) 10 MHz: 3.0 100 MHz: 13.1	**7489000100**
	Stereo audio cable (jack)	▪ AWG 26 / 75 Ohm ▪ Fully protected ▪ Flame-retardant PVC coating, black ▪ Outer diameter: 4mm	**7489000110**
	Loudspeaker cable 2 x 1.5 mm² **Loudspeaker cable 2 x 2.5 mm²**	▪ 2 cores, twisted, highly flexible, with plastic coating ▪ Wiring: 84 x 0.15 mm, copper (1.5 mm²) ▪ Wiring: 140 x 0.15 mm, copper (2.5mm²) ▪ Resistance: 13 Ohm / km (1.5 mm² ▪ Resistance: 8 Ohm / km (2.5 mm²) ▪ Overall diameter: 7 mm / 8 mm ▪ Colour: black	**7489000009** **7489000010**
	Microphone cable	▪ Wiring: 2 x 28 x 0.1 mm² ▪ Protected ▪ Colour: black ▪ Outer diameter: 5 mm	**7489000030**

Installation cables 13 / 19-pin

- Easy to insert into empty conduits, no time-consuming soldering of VGA or DVI
- Small diameter of only 16 resp. 18 mm
- Combines up to 3 different types of signals in only one cable
- Suitable for empty conduits according to EN 32
- Adapter cable available either with plug, socket or adapter plates
- 3 m connecting cables (m/f) available for the installation in desktop casings (7484000003)
- Patented system



Installation caps

Illustration	Item	Version	Ref. No.
	Installation caps	**for 13-pin**	**7484000100**
		for 19-pin	**7487000100**

Installation cables DIN 13-pin – analogue

Colour black, coating PVC, outer diameter: cable 12 mm, socket 18 mm, multi- core cable (6 x coax AWG26 + 1x audio pair, protected AWG22, fully protected), gilded contacts.
* For optimum quality we recommend the use of a VGA amplifier (see page 80).

Illustration	Item	Length	Ref. No.
	13-pin f / f	5 m	**7484000005**
		10 m	**7484000010**
		15 m*	**7484000015**
		20 m*	**7484000020**
		25 m*	**7484000025**
		30 m*	**7484000030**
	13-pin m / f	3 m	**7484000003**

Adapter cables 13-pin plug (m)

Illustration	Item	Connection	Length	Ref. No.
	13-pin plug to ▪ VGA (HD15) ▪ S-Video (4-pin MiniDIN) ▪ Video (cinch)	all m	35 cm	**7484000101**
		all f	35 cm	**7484000102**
	13-pin plug to ▪ VGA (HD15) ▪ Video (cinch) ▪ Audio (3.5 mm jack)	all m	35 cm	**7484000103**
		all f	35 cm	**7484000104**
	13-pin plug to ▪ VGA (HD15) fully configured	m	35 cm	**7484000105**
		f	35 cm	**7484000106**
	13-pin plug to ▪ VGA (HD15) ▪ Video (cinch) ▪ 3 x wire e.g. for RS 232 control or IR transmission of PIXIE	all m	35 cm	**7484000107**

Subject to technical alterations, as well as to changes of the design and the colour

Adapter plates with cable and plug for installation cables 13-pin

Illustration	Item	Connection	Length	Ref. No.
	13-pin plug (m) to ▪ VGA (HD15) ▪ S-Video (4-pin MiniDIN) ▪ Video (cinch)	all f, consisting of 2 half plates 54x54 mm, required installation depth: 47 mm	35 cm	**7441000550**
		all f, consisting of 2 half plates 50x50 mm, required installation depth: 47 mm	35 cm	**7444000550**
	13-pin plug (m) to ▪ VGA (HD15) ▪ Video (Cinch) ▪ Audio (3.5 mm jack)	all f, consisting of 2 half plates 54x54 mm, required installation depth: 47 mm	35 cm	**7441000551**
		all f, consisting of 2 half plates 50x50 mm, required installation depth: 47 mm	35 cm	**7444000551**
	13-pin plug (m) to ▪ VGA (HD15) fully configured	f, consisting of 1 half plate 54x54 mm, required installation depth: 67 mm	35 cm	**7441000552**
		f, consisting of 1 half plate 50x50 mm, required installation depth: 67 mm	35 cm	**7444000552**
	13-pin plug (m) to ▪ VGA (HD15) ▪ Video (cinch) ▪ 3 x wire e.g. for RS 232 control or IR transmission of PIXIE incl. 3-pin clamp	all f, consisting of 2 half plates 54x54 mm, required installation depth: 47 mm	35 cm	**7441000553**
		all f, consisting of 2 half plates 50x50 mm, required installation depth: 47 mm	35 cm	**7444000553**

Installation cables DIN 19-pin - digital

Colour black, coating PVC, outer diameter: cable 7.3 mm, socket 16 mm, Single Link HDMI/ DVI cable (AWG28, fully protected) gilded or silver contacts.
*We recommend the use of a HDMI extender No 5778000014 if using cables of more than 10m.

Illustration	Item	Length	Ref. No.
	19-pin f / f	5 m	**7487000005**
		10 m*	**7487000010**
		15 m*	**7487000015**
		20 m* NEW!	**7487000020**
	19-pin m / f	3 m	**7487000003**

Adapter cables 19-pin plug (m)

Illustration	Item	Length	Ref. No.
	19-pin plug to ▪ DVI-D plug (m)	35 cm	**7487000101**
	19-pin plug to ▪ DVI-D socket (f)	35 cm	**7487000102**
	19-pin plug to ▪ HDMI plug (m)	35 cm	**7487000103**
	19-pin plug to ▪ HDMI socket (f)	35 cm	**7487000104**

Adapter plates with cable and plug for installation cables 19-pin

Please pay attention to the quality of the supply cable. We recommend to use cables of not more than 2 m length!

Illustration	Item	Connection	Length	Ref. No.
	▪ DVI socket (f)	Half plate 54x54 mm, required installation depth: 67 mm	35 cm	**7441000560**
		Half plate 50x50 mm, required installation depth: 67 mm	35 cm	**7444000560**
	▪ HDMI socket (f)	Half plate 54x54 mm, required installation depth: 67 mm	35 cm	**7441000561**
		Half plate 50x50 mm, required installation depth: 67 mm	35 cm	**7444000561**

Twisted pair signal transmission

Illustration	Item	Description	Ref. No.
	VGA/Audio extender – transmission via CAT cable	**For the transmission of computer image/VGA incl. sound via inexpensive CAT5/CAT5e or CAT6 line (recommended) over long distances** Consisting of transmitter and receiver with power supply. Switch for stereo/mono sound resp. short/long distance. Switch for brightness and focus in order to compensate cable loss, resp. for optimal image quality. **Range:** up to max. 180 m (depending on unit, cable, resolution) **Bandwidth:** Video 350 MHz, Audio 126 kHz **Transmitter:** VGA in (HD 15/m), Audio in (3.5 mm jack/m), RJ 45 out **Voltage:** 5 V DC / 100 mA via USB (m) or optional power supply **Dimensions:** 52 x 27 x 100 mm **Receiver:** RJ 45 in, VGA out (HD15p/m), 3.5 mm jack (f), power supply 5 V DC / 450 mA **Dimensions:** 52 x 30 x 100 mm	**7488000030**
	4-fold splitter	**Input:** 1 VGA (HD15), 1 audio (3.5 mm jack) **Output:** 4 x RJ45, 1 x VGA (HD15), 1 x audio (3.5 mm jack)	**7488000031**
	8-fold splitter	As **7488000032**, but with 8 RJ 45 outputs	**7488000032**
	Receiver module when using 7488000031 or 7488000032		**7488000033**

VGA signal amplifiers / splitters

Illustration	Item	Description	Ref. No.
	VGA Booster Basic 1 : 1	**Inexpensive VGA signal amplifier. Recommended for up to a distance of 30 m between graphic card and projector/ display (depending on resolution and cables used)** ■ 1 input / 1 output (HD 15 m / f) ■ Bandwidth 250 MHz ■ Supports DDC, DDC2, DDC2B ■ Plastic casing 97 x 56 x 26 mm ■ Incl. power supply 8/16 V DC, 300 mA	**5778000002**
	VGA Booster Pro 1 : 1	**High-quality VGA signal amplifier with adjustable cable compensation (level/EQ)** ■ 1 input / 1 output (HD 15 f / f) ■ Resolution up to UXGA (1600 x 1200 pixels) ■ ID-Bit control ■ Metal casing 56 x 43 x 22 mm ■ Incl. power supply, 5 V DC, 307 mA	**5778000011**
	Monitor splitter USBpower VGA 1 : 2	■ 1 input / 2 outputs (HD 15 m / f) ■ Bandwidth 450 MhZ ■ Supports up to 2048 x 1536 pixels ■ Plastic casing 70 x 72 x 25 mm ■ USB-powered DC 5 V - power supply via USB (A - m to A - f) ■ Connection cable VGA 15 cm, USB 40 cm	**5778000006**
	Monitor splitter Basic VGA 1 : 2	■ 1 input / 2 outputs (HD 15 m / f) ■ Bandwidth 250 MHz ■ Supports DDC, DDC2, DDC2B @ ouput 1 ■ Metal casing 130 x 75 x 42 mm ■ Power supply DC 9 V, 180 mA ■ Supplied with connection cable VGA 1.8 m (m / f)	**5778000010**
	Monitor splitter Basic VGA 1 : 4	**As 5778000010 but with** ■ 1 input / 4 outputs (HD 15 m / f) ■ Power supply DC 9 V, 220 mA-2 ok ■ Supplied with connection cable VGA 1.8 m (m / f)	**6298000002**
	Monitor splitter Basic VGA 1 : 8	**As 5778000010 but with** ■ 1 input / 8 outputs (HD 15 m / f) ■ Power supply DC 9 V, 350 mA ■ Metal casing 200 x 75 x 42 mm ■ Supplied with connection cable VGA 1.8 m (m / f)	**6298000003**
	Monitor splitter Pro VGA 1 : 2	■ 1 input / 2 outputs (HD 15 f) ■ Bandwidth 400 MHz (-3 dB) ■ Supports HDTV ■ ID-Bit control ■ Metal casing 120 x 75 x 25 mm ■ Power suply 12 V DC, 95 mA ■ Supplied with mounting material	**7480000001**
	Monitor splitter Pro VGA 1 : 4	**As 7480000002 but with** ■ 1 input / 4 outputs (HD 15 f)	**7480000002**

Subject to technical alterations, as well as to changes of the design and the colour

VGA switchers

Illustration	Item	Description	Ref. No.
	VGA Share Basic 2 : 1	■ 2 inputs / 1 output (HD 15 f) ■ 2 select buttons ■ Auto skip, for skipping non-active inputs ■ 4 status LEDs ■ Bandwidth 250 MHZ ■ Supports 1920 x 1440 pixels @ 250 MHz, DDC1, DDC2, DDC2B, DDC2B+, DDC2AB ■ Metal casing 128 x 75 x 45 mm ■ Power supply DC 9 V, 300 mA	**5816000011**
	VGA Share Basic 4 : 1	**As 5816000011 but with** ■ 4 inputs / 1 output (HD 15 f) ■ 4 select buttons ■ 8 status LEDs	**5816000012**
	VGA Share Basic 8 : 1 – remote	■ 8 inputs (HD 15 m) / 1 output (HD 15 f) ■ IR remote control for selection of sources ■ IR receiver with 1.8 m cord ■ Buttons on the unit: up/ down for successive selection and blank ■ 16 status LED ■ Supports 2048 x 1535 pixels @ 60 Hz and DDC, DDC2, DDC2B ■ Plastic casing 170 x 190 x 45 mm ■ Incl. power supply and VGA cable (m / f)	**5816000003**
	VGA Audio Share Pro 3 : 2	**High-performance switcher for VGA and symmetric audio signals. Switches 3 inputs to 2 identical outputs.** ■ 3 VGA inputs / 2 outputs (HD 15 f) ■ 3 stereo Audio inputs / 2 outputs (5-pin clamps) ■ Bandwith VGA 450 MHz, Audio > 100 kHz ■ Control: 3 select buttons, relay inputs, e.g. for control via button No. 7444000441 ■ Metal casing 220 x 180 x 45 mm ■ Power supply 12 V DC, 146 mA	**5816000007**
	VGA Audio Share Pro 2 : 1 - automatic	**Switches automatically to second input in case of a loss of the original input signal, and automatically switches back to original signal input as soon as it is available.** ■ 2 VGA inputs / 1 output + 1 loop output (HD 15f) ■ 2 audio inputs / 1 output (3.5 mm jack f) ■ KRISP technology for sync correction ■ 2 LEDs show the selected input ■ Bandwidth VGA 400 MHz, Audio 100 kHz ■ Control: automatic or via contact switch ■ Metal casing 121 x 72 x 25 mm ■ Power supply 12 V DC, 105 mA	**5816000004**
	VGA Audio Share Pro 4 : 1 - automatic	**As 5816000004 but with** ■ 4 VGA inputs (HD 15 f) ■ 1 output / 1 loop output (HD 15 f) ■ Bandwidth 300MHz (-3dB) ■ Integrated signal amplifier - often makes an additional amplifier at the output superfluous ■ Control: automatic, buttons on the front side, RS 232 (also from PC), contact inputs and via IR remote (supplied) ■ Metal casing 215 x 162 x 45 mm	**5816000021**
	VGA Matrix 2 x 2	**The VGA Matrix switches 2 computer to 2 displays / projectors and also functions as a signal ampflifier. Each output shows either input 1, input 2 or blank.** ■ 2 VGA inputs / 2 outputs (HD15 f) ■ 2 select buttons ■ 4 status LEDs ■ Bandwidth 250 MHz ■ Supports 192 x 1440 pixels @ 60 Hz ■ Metal casing 130 x 75 x 42 mm ■ Power supply DC 7.5, 800 mA	**5816000005**
	VGA Audio Matrix Pro 2 x 2	**High-performance Matrix switcher for VGA signals and symmetric stereo sound. Can switch one or two inputs simultaneously to one or two outputs.** ■ 2 VGA inputs / 2 outputs (HD 15 f) ■ 2 stereo audio inputs / 2 outputs (symmetric, clamps) ■ Bandwidth VGA 400 MHz, Audio 100 kHz ■ Control: RS 232, buttons on the front side ■ Metal casing 220 x 180 x 45 mm ■ Power supply 12 V DC, 150 mA	**5816000017**
	Presentation switcher C	■ **The central control unit for smaller conference rooms** ■ Combines 4 swichers in a 19" casing (2 units) ■ 4 : 1 switcher for VGA, 2 : 1 for video, 2 : 1 for S-video and 2 : 1 for component video or VGA, all incl. Audio ■ Microphone input switchable for dynamic and condensor microphones, volume control for Audio source ■ **Inputs:** 4 x VGA (HD 15 f), 2 x S-video (4-pin MiniDIN / f), 2 x video (cinch / f), 2 x component video (HD 15 / f), 4 x audio (3.5 mm jack / f) for VGA, 6 x audio (stereo cinch / f) for video, 1 x microphone (6.3 mm jack / f) ■ **Outputs:** 1 x VGA (HD 15 f), 1 x S-video (4-pin MiniDIN / f), 1 x video (cinch / f), 1 x component video (HD 15 f), 1 x master audio out (stereo cinch / f) ■ **Operation:** Via buttons on the unit, RS 232 interface via media control or via software of Windows PC (supplied), bandwidth 400 MHz (VGA), 310 MHz (S-video), 310 MHz (video / SDI), 380 MHz (component video) Size: 19" (1 unit) – 483 x 178 x 45 mm	**7485000005**

DVI signal amplifiers / splitters

Illustration	Item	Description	Ref. No.
	DVI-D repeater Pro 1:1	**Extends the DVI connection by 10 - 15 m (depending on resolution and cables used).** ■ 1 input / 1 output (DVI-I f) ■ Bandwidth 1.65 Gbit/s (single link) ■ Can be further extended (we recommend cable/ repeater/ cable) ■ Metal casing 60 x 65 x 30 mm ■ Power supply 12 V DC or 5V (400 mA) via graphic card	5778000004
	DVI splitter Basic 1 : 2	**Splits 1 DVI-D signal to 2 outputs** ■ 1 input / 2 outputs (f) ■ Supports 1600 x 1200 @ 60 Hz ■ Max. cable length between splitter and projector 10 m ■ Metal casing 200 x 75 x 42 mm ■ Power supply DC 7.5 V, 1A	5778000003
	DVI splitter Pro 1 : 2	**Splits 1 DVI-D signal to 2 outputs** ■ 1 input / 2 outputs (DVI-I f) ■ Only suitable to digital signals ■ Maximum data rate 1.65 Gbit/s, HDCP compatible ■ Integrated reclocking and equalization ■ Extended EDID learn and memory function - allows reliable connection to signal source ■ Metal casing 121 x 75 x 25 mm ■ Incl. power supply 12 V DC, 180 mA	5778000013

DVI switchers

Illustration	Item	Description	Ref. No.
	DVI Share 2 : 1	**Switches two digital DVI sources to 1 display medium** ■ 2 inputs / 1 output (DVI-I f) ■ 2 select buttons ■ 4 status LEDs ■ Supports 1280 x 1024 Pixel and DDC2 ■ Hot plug compatible ■ Metal casing 153 x 75 x 42 mm ■ Power supply DC 9 V, 300 mA	5816000006
	DVI Share Pro 2 : 1	**Switches two digital DVI sources to 1 display medium** ■ 2 inputs / 1 output (DVI-I f) ■ Only suitable for digital signals ■ Supports up to 1.65 Gbit/s, HDCP compatible ■ Switchable via button on the front side ■ Metal casing 121 x 75 x 25 mm ■ Incl. power supply 12 V DC, 390 mA	5816000019

HDMI signal amplifiers / splitters

Illustration	Item	Description	Ref. No.
	HDMI extender Advanced 1:1	**Extends the maximum cable length to up to 50 m** ■ 1 input / 1 output (HDMI f) ■ Gilded contacts ■ HDMI 1.3 certified, HDCP compatible ■ Maximum transmission range: 165 MHz (5.2 Gbit/s) ■ Maximum cable length for installation 5 m ■ Can be operated without power supply, but we recommend the use of a power supply if unit is used with DVI, higher resolutions or longer cables ■ Plastic casing 46 x 57 x 24 mm, incl. mounting material ■ Incl. power supply 5 V DC	5778000014
	Monitor splitter Advanced HDMI 1 : 4	■ 1 input / 4 outputs (HDMI f) ■ Gilded contact ■ HDMI 1.2, HDCP compatible ■ Max. transmission rate: 165 MHz (5.2 Gbit/s) ■ Metal casing ■ Incl. power supply	5778000015
	Monitor splitter Advanced HDMI 1 : 8	**As 5778000015 but** ■ 1 input / 8 outputs (HDMI f)	5778000016

HDMI switchers

Illustration	Item	Description	Ref. No.
	HDMI Share Basic 4 : 1 - remote	**Switches via IR remote or RS 232 control** ■ Inputs: 4 x 19-pin HDMI (f) ■ Outputs: 1 x 19-pin HDMI (f) ■ Supports HDMI 1.3b and HDCP ■ Resolution up to 1920 x 1200 pixels @ 60 Hz ■ 12 Bit colours, Dolby true HD and DTS HD master audio ■ Serial interface for PC control ■ Incl. power supply, remote control, HDMI cable	5816000010
	HDMI Share Advanced 3 : 1 - remote	**Switches between the HDMI inputs via IR remote** ■ Integrated signal amplifier ■ 3 inputs / 1 output (HDMI f) ■ Maximum transmission range: 165 MHz (5.2 Gbit/s) ■ HDMI 1.3 certified ■ HDCP compatible ■ Metal casing ■ Incl. power supply and remote control	5816000015
	HDMI Share Advanced 5 : 1 - remote	**As 5816000015 but with 5 inputs**	5816000016

Subject to technical alterations, as well as to changes of the design and the colour

Video / Audio signal amplifiers / splitters

Illustration	Item	Description	Ref. No.
	AV splitter Pro 1 : 3	**Signal splitter for composite video and stereo Audio** ■ 1 input / 3 outputs (3 x 3 cinch f) ■ Bandwidth video 430 MHz, audio 100 kHz @ -3dB ■ Adjustable audio level, video level and cable EQ ■ Metal casing 165 x 120 x 45 mm ■ Power supply DC 12 V, 50 mA	**7481000001**

Video / Audio switchers

Illustration	Item	Description	Ref. No.
	AV Share Basic 4 : 1	**Selector for composite video, S-video and stereo audio as well as video converter** ■ 4 inputs / 1 output (4-pin MiniDIN, 3 x cinch, all f) ■ S-video – composite video converter ■ Composite video – S-video converter ■ Plastic casing 190 x 115 x 50 mm	**7481000000**
	AV selector Basic 6 : 1 - remote	**Selector for S-video, compositive video (FBAS) and stereo Audio with remote control** ■ 6 inputs / 1 output (S-video 4-pin MiniDIN, 3 cinch) ■ Plastic casing ■ Integrated power supply ■ Incl. IR remote control	**7481000007**

TV tuner / progressive scan converter

Illustration	Item	Description	Ref. No.
	TV tuner/progressive scan converter TVW 7	**Converts a projector or a TFT display into a TV and video and S-video into high-resolution graphic signals. Can be used as TV tuner with video text, progressive scan converter and scaler as well as signal switcher.** ■ 3D motion adaptive de-interlacer ■ Picture in picture (video in PC image) ■ For PAL, SECAM, NTSC signals ■ OSD menu ■ **Inputs:** antenna (analogue terrestic/ cable), AV input (3 x cinch), S-video (4-pin MiniDIN), VGA (HD 15), 1 x Audio jack ■ Incl. remote control, stand, VGA cable, audio cable, power supply ■ Dimensions: 160 x 115 x 26 mm ■ **Outputs:** VGA (HD 15), 2x audio jack (Line/head phone) ■ **Output signal:** 1024 x 768, 1280 x1024, 1280 x 768, 1440 x 900 pixels	**7486000003**

Accessories

Illustration	Item	Description	Ref. No.
	ECOMAN Beamer	**Separates the projector from the mains after ca. 5 minutes of operation in standby mode. The integrated IR receiver switches the projector back to standby when it gets an IR signal. If the signal is not meant for the projector, the unit will be switched off again.** ■ Time controlled mains separation of projectors (after ca. 5 min. in standby mode) ■ High voltage protection ■ Maximum power 460 W ■ Power consumption < 1 W ■ 230 V AC / 50 Hz ■ Output Schuko plug	**7487000000**
	KINDERMANN SwitchBox Plus	**The SwitchBox Plus in combination with a simple low current switch resp. a potential free contact allows to safely connect and operate several 230 V devices via a thin bell wire.** ■ Schuko plug ■ Safety class: IP20, only for dry rooms ■ Green status LEDs LOAD CIRCUIT ■ Voltage: 230 V~, 50 Hz ■ Maximum power: 2000 W (8.7 A) / all loads together CONTROL CIRCUIT ■ Connection: 2-pin, 5.08 mm ■ Standard configuration: contacts closed (< 2000 Ohm) --> 230 V load switched on contacts open --> 230 V load switched off	**7487000001**
	IR-Link	**Extends the range of IR remote controls. Extension cable for IR signals sent by remote controls, consisting of:** ■ IR receiver ■ Connector block with power supply 12 V DC ■ IR emitter with 2 IR diodes ■ Cable IR receiver - connector block ca. 2 m* ■ Cable connector block - IR ermitter ca. 3 m *Extension possible with 3-pin cable 5698000011 ■ (see page 85)	**5822000005**
	Multiple socket with RS 232 control	**5-fold multiple socket, the single sockets can be switched on and off via RS 232 command.** ■ Interface: 9-pin SubD ■ Max. 1000 W / socket ■ Max. 2500 W overall load	**7487000002**

KINDERMANN PIXIE+ Display Control

Mini AV control for projectors and displays

The new KINDERMANN PIXIE+ Display Control is an elegant universal control system for data/video projectors, displays or smaller installations, e.g. consisting of a projector, a ceiling lift and a screen.

Even an untrained user can easily control any connected device with this AV system. Especially in schools or conference rooms, where various persons have to get along with technical devices day by day, the PIXIE+ makes it much easier to operate projectors and other equipment.
Operation errors or the tedious search for the proper often too sophisticated remote control are a thing of the past.

Standardized buttons
Easy operation of different AV systems due to standardized buttons and inscriptions and focus on the main functions.

Optional buttons
are available for lift, screen, etc.

Built-in IR sensor
Easy learning of the IR commands of the original IR remote.

IR / RS 232 control
Cable for safe transmission of IR and RS 232 commands, even over long distances.

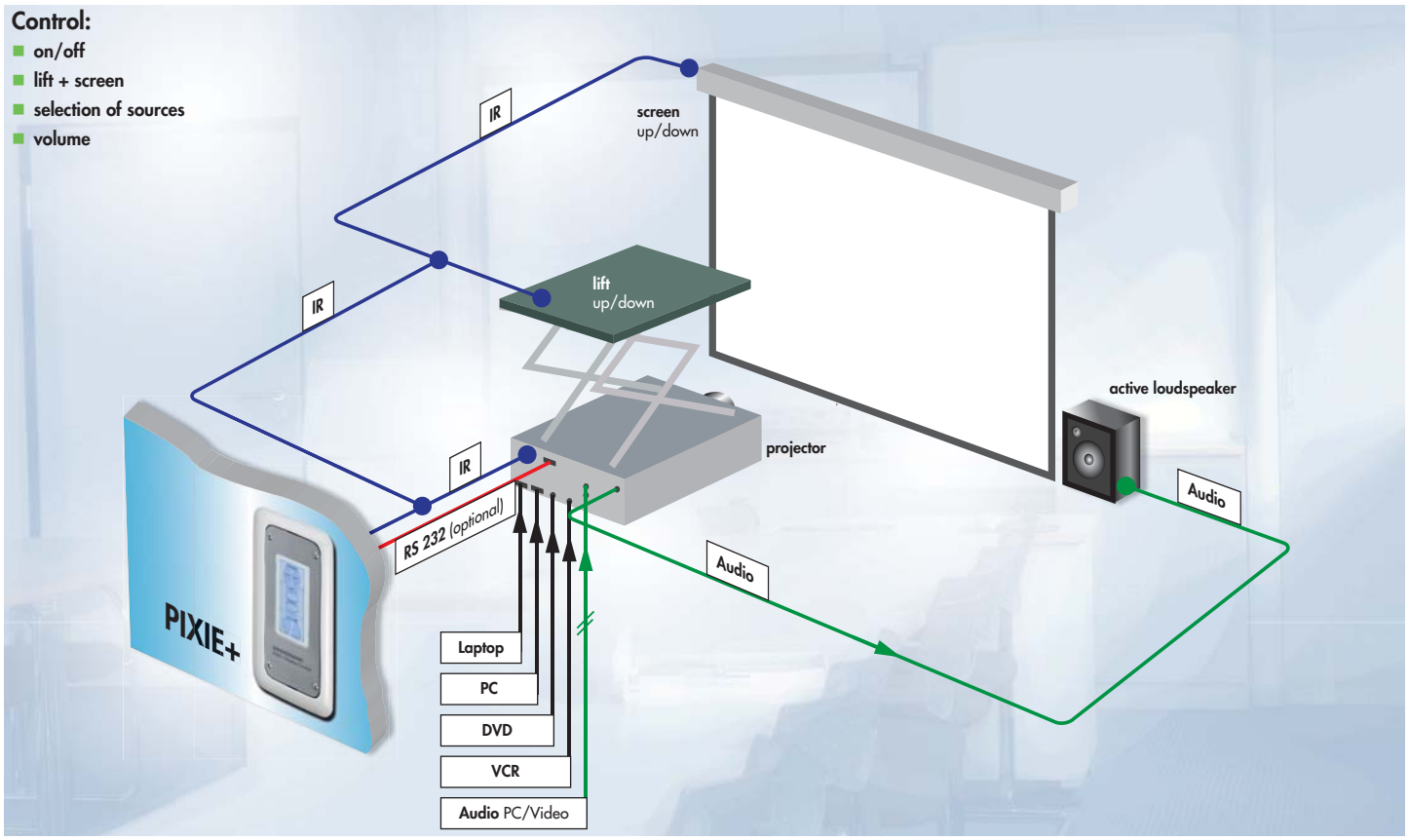
Password protection
Freely selectable combination of buttons. When the password protection is activated, the connected devices cannot be switched on.

Macros and timer
can be programmed, e.g. for controlling an electrical screen or a ceiling lift, or for switching the device off if not in use.

Numerous mounting options
for wall (on-wall or in-wall installation) and desk.

Delivered with exchangeable buttons for individual configuration*
3 of the 7 exchangeable buttons can be individually configured.

Wiring example of a typical application



Subject to technical alterations, as well as to changes of the design and the colour

KINDERMANN PIXIE+ Display Control

Technical data	
Ref. No.	**5698000001**
Supplied with	PIXIE+ control panel, adapter for Busch-Jaeger/Reflex SI fittings, 2-gang mounting frame, white, 1 IR / RS 232 transmitter module, 7 exchangeable buttons, mounting accessories, power supply 100-240 V AC / 6 V DC, 0.8 A
Dimensions	105 x 45 x 30 mm
Required cables for connecting PIXIE+ with an AV device:	3-pin cable (+6 V DC, GND, bus), 0.25-0.75 mm², protected, up to 50 m length, e.g. No. 5698000011 (optional accessory)

Exchangeable frames with aluminium cover (optional)

available in synthetic material, glass, aluminium. For an elegant design and for making the PIXIE+ fit into its surroundings.

Gira Esprit

Version	glass, white	glass, black
Ref. No.	**5698000014**	**5698000015**

Gira Esprit E2

Version	synthetic material, aluminium colour	synthetic material, pure white, shiny surface
Ref. No.	**5698000016**	**5698000017**

Gira E22

Version	aluminium	stainless steel
Ref. No.	**5698000018**	**5698000019**

Aluminium cover

Version	for installation level with a desktop (130 x 70 x 4 mm)
Ref. No.	**5698000020**

Accessories for PIXIE + Display Control

KINDERMANN PIXIE+ programming unit

The new programming unit enlarges the control features of the PIXIE+ enormously. More complex procedures can be pre-programmed at the PC.

Even RS 232 commands can be programmed in this way, as well as automatically timed procedures. The newly arranged programme can be stored in the wand and can be transferred via IR to the PIXIE+ by simply pressing a button.

Similar PIXIE+ configurations, e.g. in different rooms, can be simply transmitted to other PIXIE+ units. Thus cloning a configuration can be done in seconds.

KINDERMANN PIXIE+ programming unit	**No. 5698000005**

RS 232/IR module for PIXIE+

The IR/RS 232 module is equipped with an IR diode and a 2-pin cable with TxD-OUT and GND for the one-way control via RS 232. It is connected with the 6 V DC, GND, BUS of the PIXIE+ via cable. Up to 5 modules can be connected in a row.

IR/RS232 modul PIXIE+ 1x IR, 1x RS232 interface for controlling other unis	**No. 5698000003**

Real-time clock module

This real-time clock module is attached to the PIXIE+ and, e.g., automatically switches on or off the AV system or the password protection at the weekend. For adjusting the time and programming it, the programming unit No. 5698000005 is needed.

Real-time clock module Module for PIXIE+ control panel with 3 V Lithium battery	**No. 5698000002**

Further Accessories

Signal cable 3x 0,25 mm², protected, for connecting the IR / RS 232	**No. 5698000011**
Key switch Exchangeable cover with key switch (for Busch-Jaeger)	**No. 5698000012**
Key switch with identical key code Exchangeable cover with key switch	**No. 5698000013**
Button (centre), without inscription	**No. 5698000090**
Button (centre), Source / Sync	**No. 5698000091**
Button (bottom), Channel (up/down)	**No. 5698000092**
Button (centre), Source / **Mute**	**No. 5698000093**
Set of buttons, screen (up/down)	**No. 5698000094**
Set of buttons lift (up/down)	**No. 5698000095**
Set of buttons, for horizontal installation, inscription in vertical format	**No. 5698000100**

Subject to technical alterations, as well as to changes of the design and the colour

KINDERMANN PIXIE Pro NRC

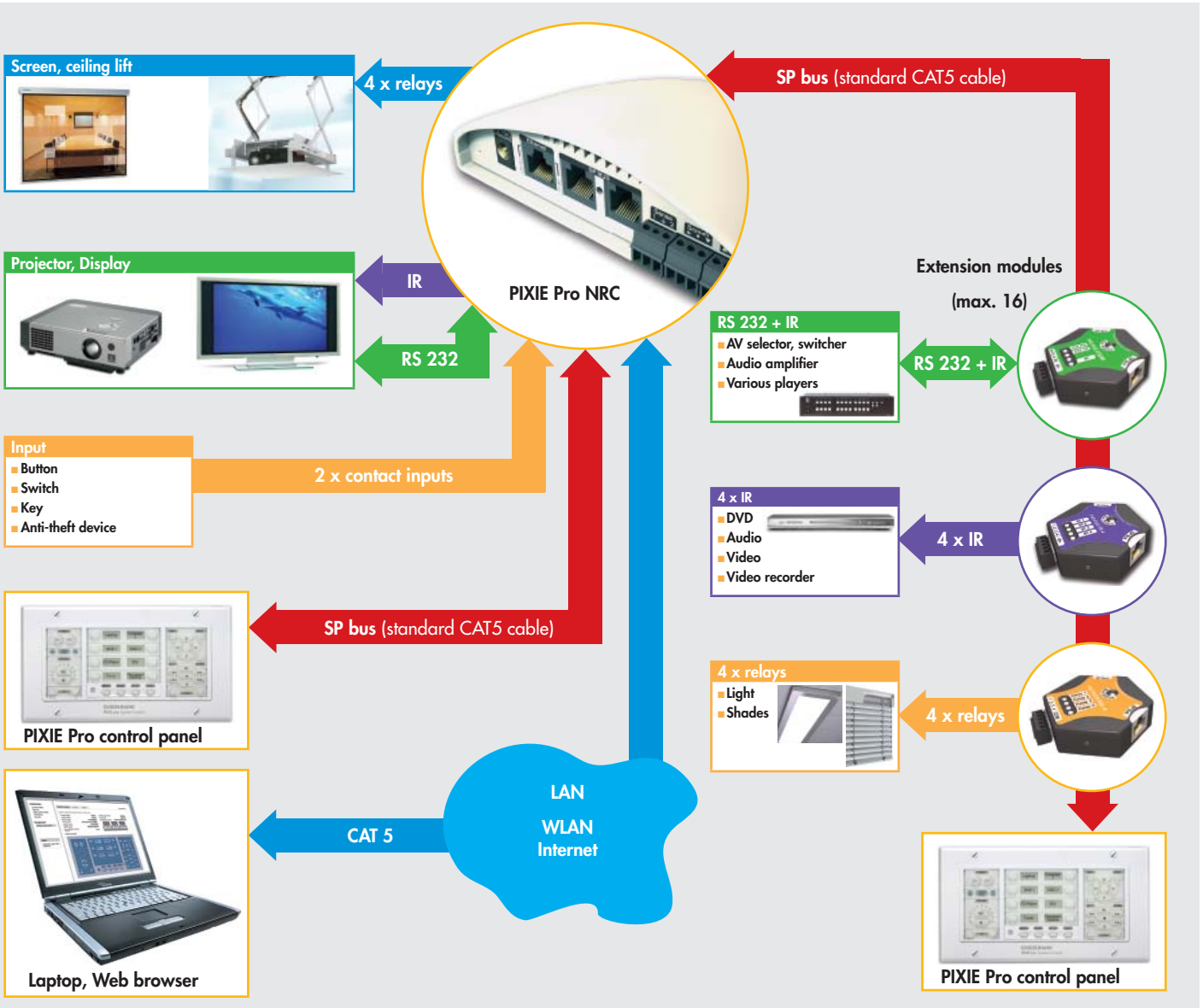
Media control with network interface

The KINDERMANN PIXIE pro NRC is a comfortable control system offering multiple functions.

It is the ideal solution for the conference room with a frequent use of different media.

- Operation via a PC with web browser or via an operating panel (PIXIE Pro)
- Interface RS 232 for controlling a projector or a display
- 4 integrated low voltage relays for controlling a ceiling lift and a projection screen
- 2 sensor inputs, e. g. for a switch, motion sensor, anti-theft device
- System bus for extending the control functions by up to 16 modules, e.g. operating panel, RS 232, IR, relay modules
- Assistant for easy configuration via web browser, no programming skills required

Installation example PIXIE Pro NRC



Subject to technical alterations, as well as to changes of the design and the colour

PIXIE Pro NRC

The PIXIE Pro NRC cannot only control a projector or a display, but also additional units, e.g. a DVD player or a satellite receiver, integrated Audio systems, or even room technology, such as shades, room lights etc.

Two ways of operating

The different media can be operated either via desk or wall panel or via network and browser.

PIXIE Pro NRC operating panel

Browser operating surface

Intuitive operation

Even complex operating procedures can be configured in a way that they are automatically triggered off by pressing only one button.

Example: When switching on the projector, the screen, the ceiling lift and the shades are automatically lowered, and the room light is dimmed.

Network

Several NRC systems can be joined in a network and installed in different rooms or buildings, so that they can be controlled from a centre point.

Thus the operating hours of the lamps can be registered and and maintenance can be arranged via e-mail.

Scheduler

The scheduler allows you to programme ahead: E.g., a unit can be automatically switched on for a presentation and after a certain time be switched off again, or the complete system can be automatically switched off, e.g. for the night or for the weekend, and the projectors or screens can be lifted.

Sensor inputs

At two inputs various elements can be connected (e.g. button / switch, motion sensor, anti-theft sensor), which recongnize a movement and start an action, e.g. starting a presentation via the button, or alarm function etc.

Configuration and control via a web browser

The PIXIE pro NRC is easy to configure. An assistant leads the user intuitively and in seven steps through the complete configuration and programming. It is not necessary to write any text of the programme. A few mouse clicks are enough to choose from the given menu options, and the programming is done step by step. Finally the whole configuration is transferred via mouse click into the flash memory of the NRC and the whole system can be tested immediately. It is also possible to make changes or add further functions afterwards.

KINDERMANN PIXIE Pro NRC	
Description	Central unit, network based media control
Ref. No.	**5670000000**
Connections	1 x RS 232 interface 1 x IR transmitter 1 x LAN RJ45 2 x SP bus RJ45 4 x relay outputs 24V DC / 1A with clamps 2 x digital inputs with clamps 4 adapters Gender changer D-SUB9 / HD15 for adapting to RS 232
Power supply	Stabilized power supply 100 – 240 V AC / 12 V DC, 1.25A
Dimensions	38 x 105 x 38 mm
Weight	0.190 kg

System accessories	
RS 232 / IR control module 1 x RS 232 interface, 1 x IR transmitter (supplied) Dim. 60 x 60 x 20 mm, weight 0.100 kg	**No. 5670000010**
IR-4 control module 4 x IR transmitter (supplied) Dim. 60 x 60 x 20 mm, weight 0.100 kg	**No. 5670000020**
REL-4 control module 4 x relay output 24VDC / 1A Dim. 60 x 60 x 20 mm, weight 0.100 kg	**No. 5670000030**
PIXIE Pro System Control Operating panel for wall or desk installation Dim. 210 x 115 x 35 mm	**No. 5699000000**

Optional accessories:	
12 V relay Control of a screen or a ceiling lift in 2-stop position via a media control and a low voltage relay. Power supply 12 V DC / 0.2 A additionally required.	**No. 5944000013**
Motor control Control of a screen or a ceiling lift in 2-stop position and random stop in between via a media control and two low voltage relays	**No. 5944000014**

Please note!

The KINDERMANN PIXIE Pro System Control is also available as stand-alone control unit for easy control of media technology via infrared. For more information please see our website www.kindermann.com

KINDERMANN MultiMedia trolley and KINDERMANN MultiMedia desk

The mobile conference pro and the innovative teacher's desk

- Intelligent all-inclusive solution for MultiMedia presentations
- With integrated complete MultiMedia technology
- System fully wired and ready for use within 60 seconds
- Premium long life piece of furniture
- Protected against vandalism: lockable compartments

The idea

KINDERMANN sets an example with its new idea of intelligent MultiMedia applications. The fully equipped MultiMedia trolley and desk harbour the whole presentation technology in one piece of furniture, and it takes only 60 seconds until a picture is projected on the wall. Thus the MultiMedia trolley and desk transform any room into a conference room, any classroom or lecture room into a media centre.

The components

Both MultiMedia systems include all components from the PC to the projector, from the powerful audio system up to a socket system with mains connection and interface for external connections, e.g. network and Internet. Moreover there is room available for a video recorder or a DVD player. The MultiMedia desk is additionally equipped with a display which is integrated in the desktop. All components are protected against unauthorized use when the mirror system is closed and the door is locked!

The projector

A suitable KINDERMANN data/video projector is built in ready for use according to the individual requirements. We give you recommendations as to the proper model so that it fits to the size and brightness of your room and the audience.

The safety package

The MultiMedia trolley and MultiMedia desk feature an electronic control system which eminently contributes to the safety of the whole unit. When the projection mirror is opened, the projector is automatically switched on via the serial interface. If the mirror is closed for more than 10 seconds the projector is automatically switched off. The operating status is indicated by two LEDs. The switching off is electronically controlled in order to protect the interior of the trolley against overheating.

The features

The KINDERMANN MultiMedia trolley and desk are a premium piece of furniture with a universal projector holder, a double mirror projection flap, a lockable media compartment and can be optionally delivered with 19" rack for 19" modules of 10 U (height units).
The PC is not automatically supplied, but available as an option.

Subject to technical alterations, as well as to changes of the design and the colour

A lot of room for technical devices

Lockable compartment with adjustable shelf.
Space for Audio system, Mini-PC.

Integrated display

The image is projected on the screen via a mirror flap integrated in the desktop. This allows e.g. the teacher to follow the projection without losing sight of his class.

Protected projection

When the flap is opened, the projector is automatically switched on. When the flap is closed, the projector automatically switches to standby mode.

MultiMedia socket system

Connections for mains and various external devices, e.g. printer, scanner, overhead projector, microphone etc., incl. USB and network interfaces.

KINDERMANN MultiMedia trolley

Lockable MultiMedia trolley with double mirror projection flap and lockable media compartment.

Features

Multiplex plates, beech, galvanized steel frame RAL 9003, 4 lockable double castors.

- **Data/video projector**
  XGA resolution, ca. 3000 ANSI lumens, e.g. KINDERMANN KX 3200 active*
- **Audio system 2.1**
  Stereo 2 x 40 W, 2 loudspeakers and subwoofer.
- **MultiMedia sockets (on left and right side)**
  3 x mains, 5.5 m connection cable, VGA, audio, microphone, 2 x USB, CAT5.
  Connections for: computer-IN (VGA), audio-IN, microphone-IN, 3 x USB;
  Inside: Multiple socket for 6 x mains, concealed wiring for all devices.
- **Dimensions**
  ca. 72 x 62 x 72 cm
- **Usable space inside**
  ca. 38 x 48 x 35 (45) cm
- **1 height-adjustable shelf**
  for DVD/VHS combi player,, PC** (not supplied).
- **Power supply**
  230 V, max. 2000 W.

MultiMedia trolley incl. projector and audio system, without PC	**No. 7000000001**

KINDERMANN MultiMedia desk

MultiMedia desk with integrated TFT display; double mirror projection flap, two lockable compartments.

Features

Multiplex plates, beech, galvanized steel frame RAL 9003.

- **Data/video projector**
  XGA resolution, ca. 3000 ANSI lumens, e.g. KINDERMANN KX 3200*
- **Monitor**
  17" LCD display, 1280x1024 pixels, behind non-reflecting safety glass according to DIN 1249.
- **Audio system 2.1**
  Stereo 2 x 40 W, 2 loudspeakers and subwoofer.
- **MultiMedia sockets (on left and right side)**
  3 x mains, 5.5 m connection cable, VGA, audio, microphone, 2 x USB, CAT5.
  Inside: Multiple socket for 6 x mains, concealed wiring for all devices.
- **Dimensions**
  ca. 72 x 150 x 72 cm
- **Compartment right side**
  Usable space inside:
  ca. 38 x 48 x 35 (45) cm,
  1 height-adjustable shelf for PC**
  (not supplied), DVD/VHS combi player*.
- **Compartment left side**
  Drawer: ca. 12 x 17 x 45 cm,
  Cabinet: ca. 36 x 24 x 45 cm,
  1 height-adjustable shelf.
- **Power supply**
  230 V, max. 2000 W.

MultiMedia desk incl. projector, monitor and audio system, without PC	**No. 7000000000**
Desposit tray for additional equipment, to be attached to the MultiMedia desk	**No. 7000000009**

Custom-made version

On demand the MultiMedia trolley can be delivered in other decors, e.g. birch, anthracite, or in a different design.

* **Data/video projector and DVD/VHS combi player according to customer's requirement.**

** **We recommend a Mini-PC (e.g. Shuttle XPC, Barbone system).**

Dimensions, design and technical data may change without prior notice.

Quality made in Germany
by KINDERMANN

Subject to technical alterations, as well as to changes of the design and the colour

KINDERMANN projection module

Double mirror module with universal mount for integration in conference furniture

The module is suitable for the concealed installation of a projector in a piece of furniture, e.g. a conference table. Thus the appearance of a conference room is not marred by visible technology.

A finger tip on the mirror flap is sufficient, a pneumatic spring opens the module, and the projection can begin. The image is projected on the screen via two high-quality surface mirrors.

For an optimal integration in the furniture, level with the desktop, the projection module is available in two versions:

with a powder coated metal casing, silver, RAL 9006, or with an anodized aluminium mirror flap and frame to create an especially elegant design.

Technical data	
Dimensions	335 x 335 mm
Installation depth	Projector height + 65 mm
Desktop cutout	310 x 310 mm; for the version „Elegance“ a groove must be milled into the desktop.
Thickness of desktop	25 - 30 mm, to be adapted if necessary
Projector weight	up to 7 kg; projector longer than 35 cm need an additional support
Up/down ratio projector	for distortion free projection => 9 : 1
Projection ratio projector	min. 1.5 Due to the double mirror the projection distance is prolonged by approx. 40 cm measured from the frame, i. e. the mirror must be positioned closer to the screen than with normal desktop projection.

KINDERMANN projection module Standard, powder coated, RAL 9006	**Nr. 7030000000**
KINDERMANN projection module Elegance, anodized aluminium	**Nr. 7030000001**
Projector switch off electronics for automatic on and off of the projector when opening or closing the mirror flap; for projectors with standard RS 232 protocol (KINDERMANN, EPSON, SANYO, MITSUBISHI)	**Nr. 7030000015**

For dimensions etc. visit our website: www.kindermann.com

Projection position

Installation level with desktop

Projector is inserted horizontally

Subject to technical alterations, as well as to changes of the design and the colour

What is Digital Signage?

Digital Signage is the digital presentation of information, advertisements etc. It replaces classical media, e.g. bill boards or information panels.
Normally flat screen displays are used for presentation, but also projectors or LED walls.
By using modern digital technology a new flexible interactive communication platform is created, which makes is possible to address specific groups of persons individually.
The distribution and updating of the displayed contents is done in only seconds via IP networks. All standard data sources, such as images, flash, videos, presentations etc., can be applied.

Fields of application for digital signage

Shopping centres - companies - industries

Direct advertising at the point of sale according to customers' buying behaviour and time of day.
Platform for informing staff and customers in entrance lobbies and lounges.
Cost-effective, time saving, and future-oriented solutions.

Schools - universities - seminars - hotels

Programme guide for lectures and seminars, can be quickly updated at low costs.
Hotel information in entrance lobbies, indication of room occupancy.

Authorities – hospitals - public buildings

Current visitor information in waiting rooms.
Electronic 'signposts' in entrance halls and digital doorsigns.

Public transport

Online information of arrivals and departures, e.g. at train stations or airports, along with advertisements.

easescreen
presentation management software

Presentation management system

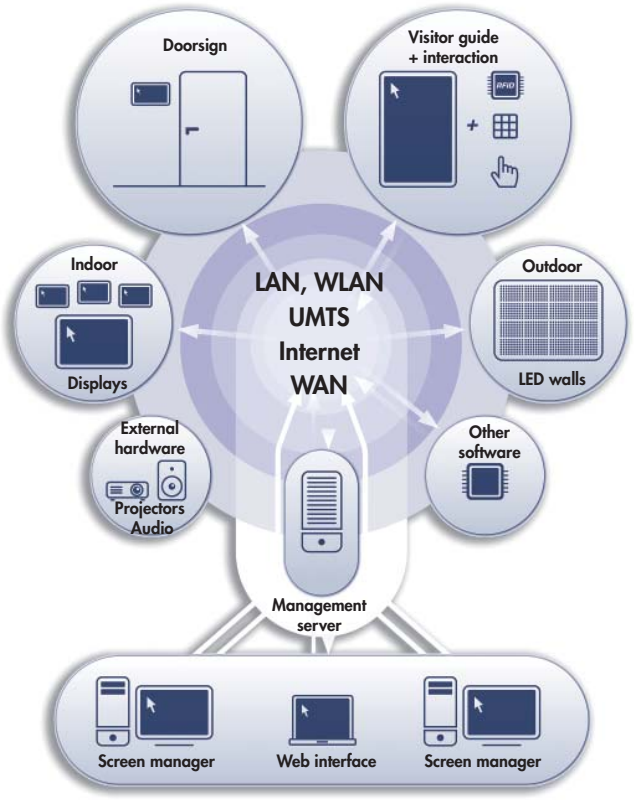
What is easescreen?

Easescreen is a content management system for digital signage, which can be operated intuitively and which presents information on an individual number of displays. No matter whether it's a stand-alone solution or a global network, easescreen is the proper choice.

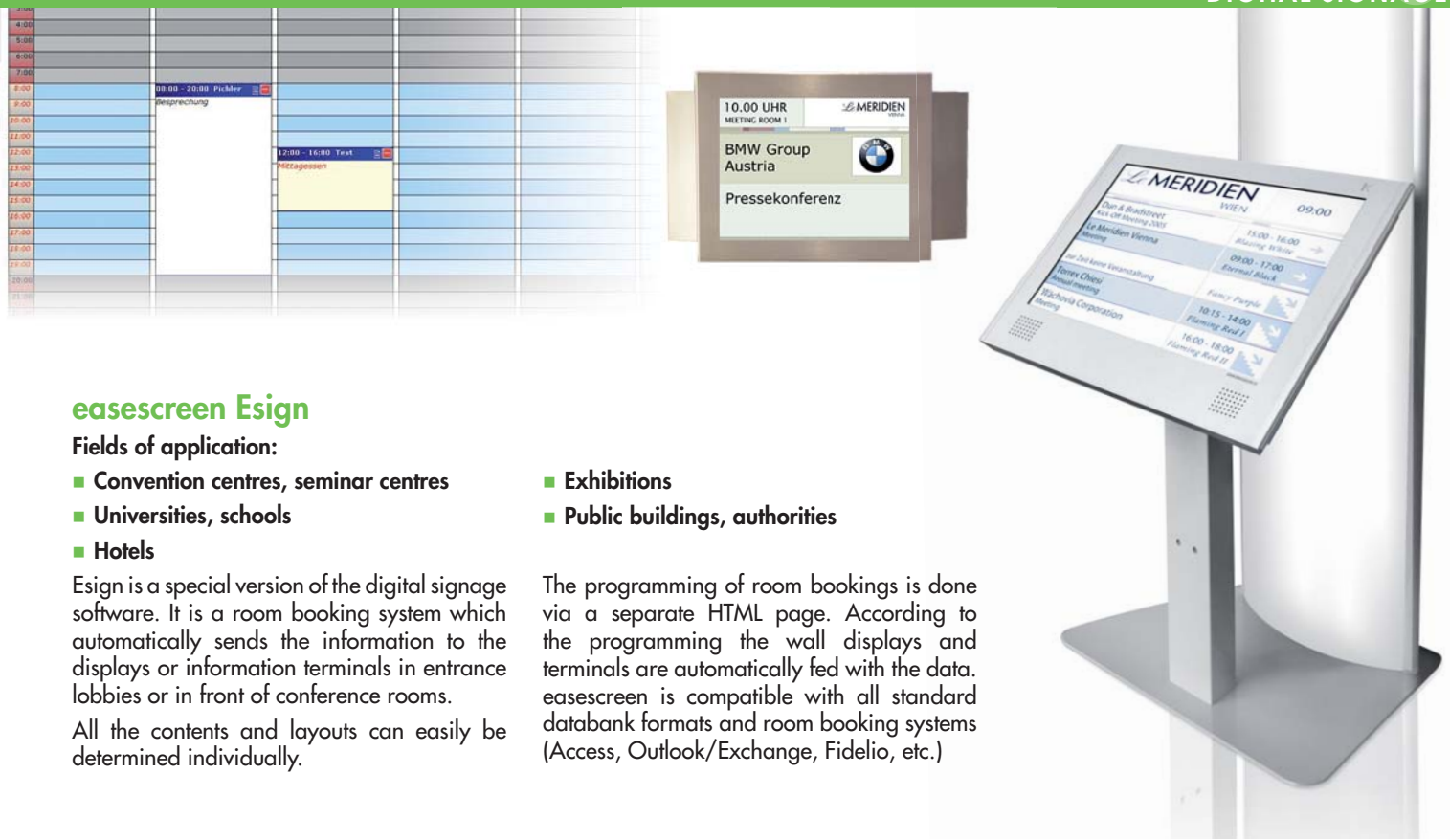
Features and functions

- Management of the whole presentation in a calendar layout (similar to Outlook). In this schedule the information is defined and arranged chronologically.
- Recurring events (daily / weekly) but also events at a certain time and date can be programmed in advance.
- Complete remote control of client PCs.
- Control of the clients via network (web browser) and SNMP.

Software	Ref. No.
easescreen Basic	8734000001
easescreen E-sign	8734000011
easescreen Standard	8734000002
easescreen Standard CRYSTAL	8734000012
easescreen Premium	8734000003
easescreen Premium CRYSTAL	8734000013



Subject to technical alterations, as well as to changes of the design and the colour



easescreen Esign

Fields of application:

- **Convention centres, seminar centres**
- **Universities, schools**
- **Hotels**
- **Exhibitions**
- **Public buildings, authorities**

Esign is a special version of the digital signage software. It is a room booking system which automatically sends the information to the displays or information terminals in entrance lobbies or in front of conference rooms.

All the contents and layouts can easily be determined individually.

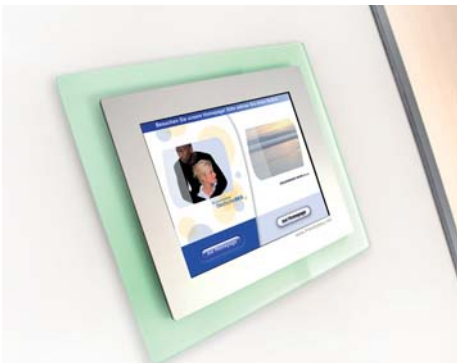
The programming of room bookings is done via a separate HTML page. According to the programming the wall displays and terminals are automatically fed with the data. easescreen is compatible with all standard databank formats and room booking systems (Access, Outlook/Exchange, Fidelio, etc.)

Software	Ref. No.
easescreen Esign Server	8734000004
easescreen Esign POV-Client	8734000005

KINDERMANN DoorSign

The designer displays KINDERMANN DoorSign are ideal for digital room identification. The small display is also perfect for use in exhibitions. As the information terminal is equipped with a fanless PC, it can be easily mounted in the wall. The connection of DoorSign to a network is extremely uncomplicated and done in no time.

As a special design feature, the wall displays have an elegant frame made of green frosted acrylic glass.



Technical data

Item	DoorSign 10	DoorSign 12	DoorSign 15	DoorSign 17	DoorSign 19
Ref. No.	5000000003	5000000002	5000000004	5000000005	5000000006
Size of display	10.4"	12"	15"	17"	19"
Resolution in pixels	800 x 600	800 x 600	1024 x 768	1280 x 1024	1280 x 1024
Installation dimensions	295 x 240 x 47 mm	314 x 250 x 50 mm	410 x 334 x 47 mm	423 x 354 x 47 mm	461 x 384 x 47 mm
Outer dimensions of frame	360 x 305 mm	328 x 264 mm	474 x 398 mm	487 x 418 mm	525 x 448 mm
Mounting	In-wall	In-wall	In-wall	In-wall	In-wall
Design	Elegant cover - outer frame: green frosted acrylic glass, inner frame: aluminium-coloured RAL 9006				
Integrated PC	Integrated PC with Intel Pentium M 600 MHz, 512 MB RAM, 4 GB CF-Card, WindowsXP and easescreen Esign pre-installed*	Touchscreen Display, integrated PC with Intel Celeron/Pentium 3, 650 MHz, 512 MB RAM, 40 GB hard disc, Windows XP and easescreen Esign pre-installed*	integrated PC with Pentium M 600 MHz, 512 MB RAM, 40 GB hard disc, WindowsXP and easescreen Esign pre-installed*		
Connections	Power supply, network, RS 232, 2 x USB				
Special version (optional)	Touchscreen (included in DoorSign 12), ESG safety glass, double tempered, frame of display in any RAL colour, custom-made design of unit, W-LAN, on-wall mounting kit				

*Licence costs are charged additionally

Subject to technical alterations, as well as to changes of the design and the colour

DeSign 32/40

The high-performance designer display

- Designer display for the conference room
- Sturdy metal casing with 32" / 40" LCD display
- Integrated multimedia PC, sound unit and motion sensor optional
- Also available as touchscreen display
- 52" display on demand

The 4.7 cm thin side section of the DeSign 32 / 40 is decorated with a chromium-plated rail.

A powerful multimedia PC can be integrated in the casing of the DeSign 32 / 40.

Due to its modular structure the information terminal can be supplemented by a touchscreen, an audio module and a motion sensor.

The DeSign 32 / 40 can be mounted on the wall or on the ceiling. This makes it suitable for exhibitions and road shows.

Technical data		
Item	**DeSign 32**	**DeSign 40**
Ref. No.	**5000000150**	**5000000160**
Size of display	32"	40"
Resolution in pixels	1360 x 768	1920 x 1080 (Full HD)
Dimensions	860 x 570 x 105 mm	1075 x 700 x 105 mm
Weight	37 kg	45 kg
Design	■ Elegantly designed casing ■ Front side anodized aluminium ■ Chromium-plated side sections	
Other features	■ Latest powerful multimedia PC with electronic stability programme (optional) - easescreen software package (pre-installed)* ■ Microsoft Windows XP (pre-installed)* ■ Available with Mac mini (only with 32" display) ■ Touchscreen ■ Network connection via radio (wireless LAN) ■ Integrated HiFi speakers (only with 32" and 40" display)	

* only in combination with a multimedia PC

illumination 32/40

The interactive light pillar

- Combination of an interactive designer display and a light pillar
- Monitor with touchscreen function and integrated high-performance computer
- True eye catcher due to individual colour design of the light pillar
- Ideal as stand-alone solution, e.g. at exhibitions

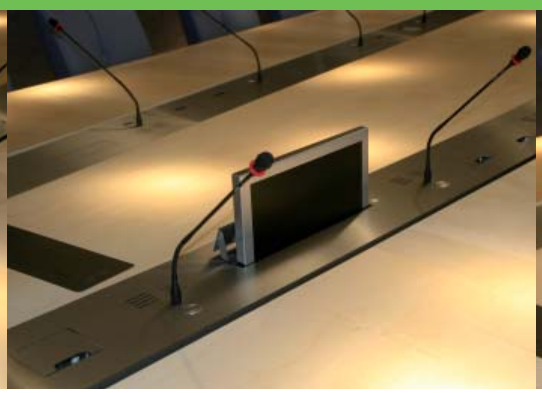
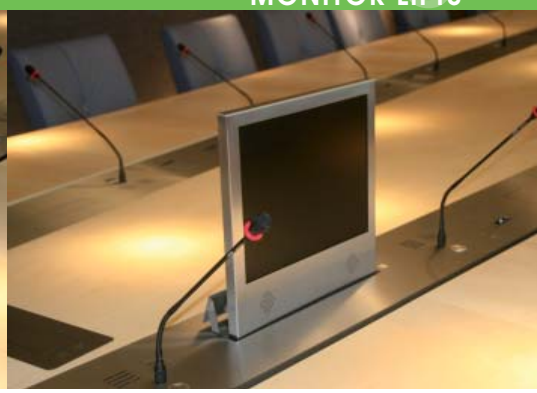
The elegantly designed display of the illumination 32 / 40 features a conspicuous and pleasant ambience illumination in various colours, e.g. those of your company.

The side sections in anodized aluminium of the illumination 32 / 40 are only 4.7 cm thin and decorated with elegant chromium-plated rails.

All models are available with integrated high-performance computers. Moreover, they can be attached to all external standard multimedia PCs. The modular structure of the system stands for maximum flexibility.

Technical data		
Item	**illumination 32**	**illumination 40**
Ref. No.	**5000000130**	**5000000140**
Size of display	32"	40"
Resolution in pixels	1360 x 768	1920 x 1080 (Full HD)
Dimensions	860 x 2508 x 792 mm	1075 x 2508 x 850 mm
Weight	110 kg	120 kg
Design	■ Elegantly designed casing ■ Front side anodized aluminium ■ Chromium-plated side parts ■ Bottom plate with display holder for stability of the whole unit ■ Light pillar for advertisements in different colours ■ Integrated HiFi speakers / ultra-sound motion sensor	
Other features	■ Latest powerful multimedia PC with electronic stability programme ■ easescreen software package (pre-installed)* ■ Microsoft Windows XP (pre-installed)* ■ Available with Mac mini (only with 32" display) ■ Touchscreen ■ Network connection via radio (wireless LAN) ■ Telephone options (analogue and VoIP)	

* only in combination with a multimedia PC

H³O

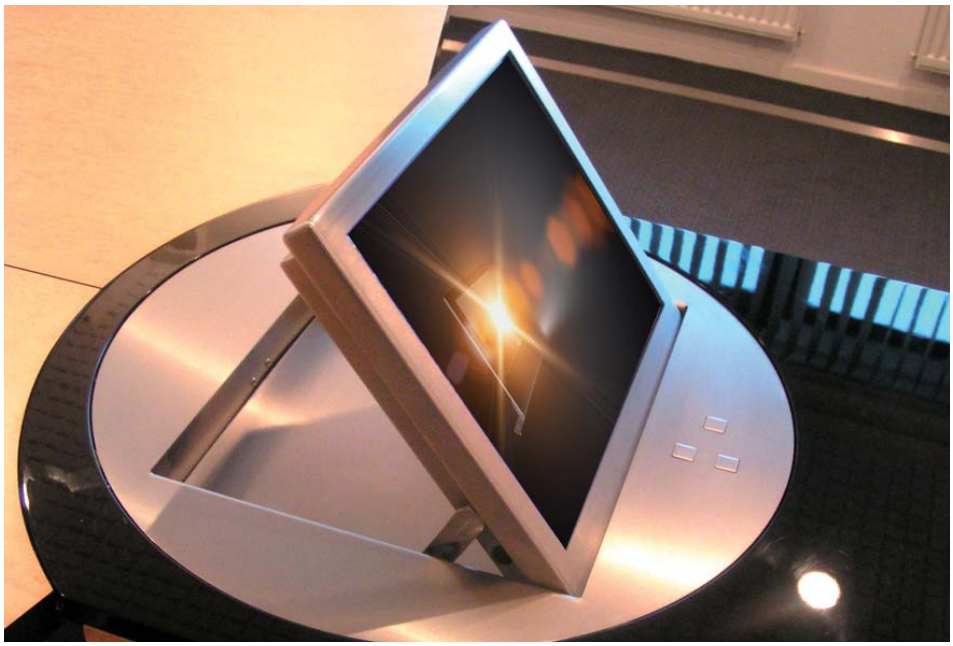
High-quality conference systems: desktop versions, monitor lifts, terminals, lecterns

- No mass production but custom-made solutions
- One range from the desktop version to the terminal
- Monitor lifts available as separate systems
- All standard monitors can be integrated in PC or TV mode, up to 65″, also in 16 : 9 format
- KINDERMANN range available in stainless steel or RAL 9006
- Other colours or versions on demand

Flex Turn

Electrically operated monitor system in stainless steel casing with tempered glass front and monitor in a turntable.

- For desktop integration
- Monitor function also possible when folded



Flex E Motion monitor lifts

with floor or wall mounting. Lifts for monitors up to 65″.

Including cable remote, Vesa mounting plate (max. 400 x 200 mm) and plate for floor mounting.

The product is delivered unassembled with a detailed installation manual. With optional IR or radio remote control.

Flex E Motion monitor lift 15″	No. 5100000010
Flex E Motion monitor lift 17″	No. 5100000011
Flex E Motion monitor lift 19″	No. 5100000012
Flex E Motion monitor lift 21″	No. 5100000013
Flex E Motion monitor lift 23″	No. 5100000014
Flex E Motion monitor lift 26″	No. 5100000015

Flex E Motion desktop monitor lift

Metal frame monitor lift for lifting individual units (e.g. an AETHRA video conference camera or a projector) from a desktop.

The lift is operated via remote control or an external control system (e.g. PIXIE).

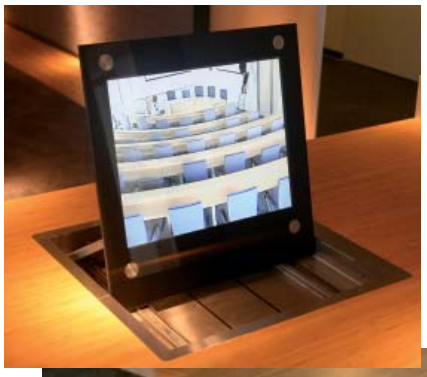
Flex E Motion desktop monitor lift	No. 5100000016

Note!

Individual colours on demand.

Subject to technical alterations, as well as to changes of the design and the colour

Flex Twist



Flex Twist from 17“ to 23”

Folding monitor system in stainless steel with tempered glass front and monitor.

- For desktop integration
- Monitor function also possible when folded

Flex Twist 17“	No. 5100000020
Flex Twist 19“	No. 5100000021
Flex Twist 21“	No. 5100000022
Flex Twist 23“	No. 5100000023

Flex Twist TV 20“/23“

Folding TV system

- For desktop integration
- Monitor function also possible when folded

Flex Twist TV 20“	No. 5100000025
Flex Twist TV 23“	No. 5100000026

Note!

More models and additional options like KINDERMANN desktop connections on demand.

Flex Desk

Monitor lifts with integrated monitors - in PC or TV mode

Flex Desk from 17“ to 23“

Monitor lift in stainless steel with polished casing.

Via an integrated button or a remote control the monitor can be lowered into its casing.

When lowered, the monitor is switched off automatically and the lid closes.

Flex Desk 17“	No. 5100000030
Flex Desk 19“	No. 5100000031
Flex Desk 21“	No. 5100000032
Flex Desk 23“	No. 5100000033

Flex Desk TV 20“ / 23“

Monitor lift for a 16 : 9 TV in stainless steel with polished casing.

Via an integrated button or a remote control the monitor can be lowered into its casing.

When lowered, the monitor is switched off automatically and the lid closes.

Flex Desk TV 20“ incl. TV remote control	No. 5100000035
Flex Desk TV 23“ incl. remote control	No. 5100000036

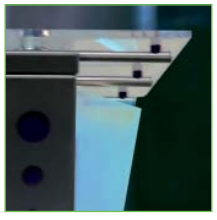
Note!

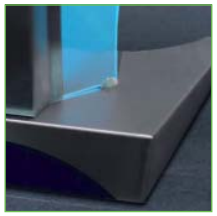
Also available as duplex solution on demand.

Lectern

LED-lighted lectern Space

Space is the only lectern with two LED surfaces. A logo or a text can be engraved in the LED surfaces. Additional equipment, e.g. a microphone or desktop connections, can be built in.





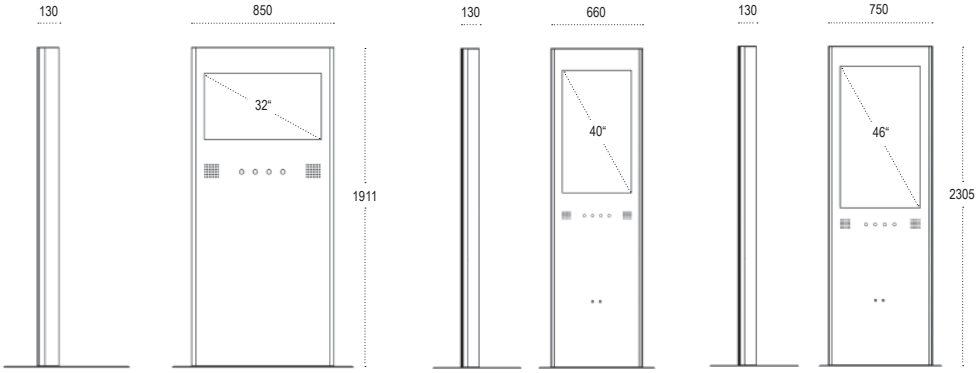
LED-lighted lectern	No. 5100000040

Subject to technical alterations, as well as to changes of the design and the colour

impression 32L /40 / 46

The characteristic presenter

- Elegant terminal for your messages at the POS/POI
- Surface of anodized aluminium
- Available in 32″ landscape format or 40″ and 46″ portrait format
- 57″ portrait format on demand
- High contrast and light output
- Motion sensor for approaching visitors
- 40″ display with full HD resolution



Due to its brilliant large display with a high light output and contrast and its integrated HiFi speakers the terminal raises special attention on exhibitions and other events, in entrance lobbies and lounges.

The sensor-controlled presentation of your messages addresses the visitors directly.

Moreover, the slim anodized aluminium casing of the elegant terminal gives your presentations a special note.

The system is extremely sturdy and can therefore be operated anywhere.

Technical data			
Item	**impression 32 L**	**impression 40**	**impression 46**
Ref. No.	**5000000100**	**5000000110**	**5000000120**
Size of display	32″	40 Zoll	46 Zoll
Resolution in pixels	1366 x 768	1080 x 1920 Pixel	768 x 1366 Pixel
Dimensions	850 x 1911 x 130 mm	660 x 2305 x 130 mm	750 x 2305 x 130 mm
Weight	80 kg	80 kg	90 kg
Design	■ Elegantly designed casing ■ Front side anodized aluminium ■ Chromium-plated side parts ■ Bottom plate with display holder for stability of the whole unit ■ Integrated Hifi speakers / ultra-sound motion sensor		
Other features	■ Latest powerful multimedia PC with electronic stability programme* **Note:** Each new start triggers off a reset of the system. Thus viruses, wurms, trojan horses and other unintended manipulations of the system configuration are excluded. ■ easescreen software package (pre-installed)* ■ Microsoft Windows XP Professional (pre-installed)* ■ Available with Mac mini (only with 32″ display) ■ Touchscreen ■ Terminal in individual RAL colours and with your company logo on film ■ Network connection via radio (wireless LAN) ■ Telephone options (analogue and VoIP) ■ Webcam ■ Magazine holder (attached) ■ Other equipment and sizes on demand		

* only in combination with a multimedia PC

Subject to technical alterations, as well as to changes of the design and the colour

The cooperation of AETHRA and KINDERMANN is an ideal match!

It allows both partners to extend their leading positions in the field of presentation, media technology and video conferencing.

The product range of AETHRA comprises professional Audio conference systems, software supported desktop video conferencing, set top modules and video telephone, and high definition systems, as well as professional rackmount technology for use in large conference rooms, auditoriums and TV studios.

Exclusive highlights

- Supports IPv6
- RTP firewall
- PPPoE
- Choice of H.323 and SIP "on-the-fly"
- Supports Microsoft OCS

AETHRA „Voice"

The professional Audio conference system

The AETHRA "Voice" system can be connected digitally (IP via PBX) or analogue.

Full duplex with echo cancellation and noise reduction.

- **Configurations**
  Standard via network (PSTN). Voice Plus with additional display and IR remote.
- **High quality**
  Clear full duplex sound for natural voice transmission.
- **Design**
  Elegant and attractive design, can be integrated in any surroundings due to individual colour options.
- **Sensitive microphones**
  3 integrated microphones, only the one to be used is activated.
- **PC adapter**
  Also usable as Audio conference system with a PC via a PC adapter.

Item	Description	Ref. No.
Voice – metal grey	■ Integrated echo cancellation and active suppression of background noises ■ Output for AUX recording ■ Extendable for connecting two more microphones	**5790000521**
Voice – colour	■ As **Voice metal grey** but in colours as shown above	**5790000522**
Voice – PC audio adapter	■ For connecting Voice to the audio interface of your PC - without additional software ■ Fully compatible with any audio board models and manufacturers, telephone and conferencing software	**5790000954**
Voice – digital adapter	■ Connects Voice to digital telephone systems ■ Compatible with any PBX unit / manufacturer ■ PC interface (echo cancellation for desktop video systems)	**5702000013**
MCTV – metal grey microphone set	■ Additional set of two microphones for Voice	**5701000024**

Subject to technical alterations, as well as to changes of the design and the colour

Maia® xc 2

IP video telephone

The elegant video telephone maia xc 2 makes inexpensive video telephoning possible in excellent audio and video quality. It keeps all the advantages of VoIP telephoning and IP based video communication.

- IP video conference telephone, Web browser
- E-mail client, photo viewer
- Supports SIP and H.323 protocols

Versatile desktop system
IP telephoning with IP-PBX integration, internet browser, E-mail client, instant messaging for text communication, photo viewer and simple data manager.

Excellent video
7″ LCD video display and monitor interface for larger presentations. Integrated camera with ¼″ CCD sensor for images in business quality (30 pictures/sec.)

High network connectivity
Supports POTS and IP based standards, H.323 and SIP conformity with a transmission rate of up to 768 KBit/s via IP.

Optional functions
Touchscreen, power or Ethernet (PoE), Wi-Fi interface

Item	Description	Ref. No.
maja® xc 2 video telephone	7″ LCD TFT display, echo cancellation, AUX Audio, video interfaces, AES H.235, card reader, USB port	**5790209903**
Touchscreen maja® xc 2	SW option – other options on demand	**505SWA185**

Hydra®

Hydra® increases the possibilities of video communication from a room-based system to video conferences via desktop without enquiring a complex and costly video infrastructure.

Hydra® is a dynamic solution for visual cooperation.

AETHRA X-line desktop connection
Hydra® uses the advantages of the X-line series, e.g. high quality and an integrated 9 x MCU, in order to realize interactive conferences between traditional end points and PCs – no matter where the systems are located (at home, in the office, or when travelling).

Some visual quality for all conference members
All participants enjoy a high quality and can make use of the same features, including voice switching or continuous presence, H.239 data transmission as well as conference moderation.

Easy dialing and connection
Hydra® features an integrated firewall traversal. Thus companies can use their protected networks and at the same time connect with remote users in multiple conferences.

Item	Description	Ref. No.
Hydra® Vega desktop	Software video conference for up to 8 participants	**50SWA00084**

Subject to technical alterations, as well as to changes of the design and the colour

Vega® X3 / X5 Set-Top video conference systems

- **Top quality**
  Convincing audio and video quality up to 2 Mbit/s
- **Enhanced compatibility**
  Specific tools for PC presentations and data sharing
- **Convenient system**
  Fully equipped Set-Top solution with integrated DVI / XGA connections and two monitor outputs

The Vega® X3 / X5 are high performance systems in the field of Set-Top technology. They are ideal for small and mid-sized groups of conference members who lay great weight on excellent audio and video quality.

Due to the user-friendly graphic surface, controlled by a one-touch remote, the Vega® X3 is easy to operate.

Support of multiple connections
Several versions available: for connections up to 512 KBit/s* via ISDN BRI and 2 MBit/s via IP, each for H.323 or SIP networks.

Simultaneous dual stream video
A comfortable XGA input and output allow the connection of a PC for simultaneous dual stream video and live presentations with a great amount of data.

Broad band audio
Supports 14 kHz broadband audio codex (ITU and ISO) in video conferences.

Enhanced compatibility
The integrated MCU can connect up to 4 units with continuous presence in mixed mode (ISDN, IP-H.323 and IP-SIP).

Individual graphic user surface
The user can choose among different layouts and colours.

*128 KBit/s on board; extendable to 512 KBit/s when using an external Xline network adapter

Vega® X7

- **HD system**
  Fully equipped split system with integrated HD inputs and outputs
- **Top quality**
  Convincing audio and video quality up to 4 Mbit/s
- **Enhanced compatibility**
  The integrated MCU can connect up to 9 units in continuous presence mode and includes power point® presentations.

The Vega® X7 is an innovative high performance system in the field of Set-Top technology. It is ideal for mid-sized and large groups of conference members who want to enjoy HD audio and video quality.

HD technology
HD is not only a technology but a concept which unites video, audio and data in order to enhance communication and productivity. The Vega X7 is a special solution by AETHRA®, designed and developed for HD.

Support of multiple connections
Several versions available: for connections up to 384 KBit/s (512 KBit/s optional with XLNA) via ISDN BRI and 4 MBit/s via IP.

Simultaneous dual stream video
A comfortable XGA input and output allow the connection of a PC for simultaneous dual stream video and live presentations with a great amount of data.

Easy configuration
Due to the flexible and simple structure it is easy to configure the system anew. Upgrades can be done via licence code.

Individual graphic user surface
The user can choose among different layouts and colours.

Item	Description	Ref. No.
Vega® X3	Version in basic configuration – additional options on demand	5790209626
Vega® X5	Version in basic configuration – additional options on demand	5790209627
Vega® X7	Version in basic configuration – additional options on demand	5790209606

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